SGH-t719

P O R T A B L E Q u a d - B a n d

T E L E P H O N E

User Guide

Please read this guide before operating your phone, and keep it for future reference.

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Table of Contents

Section 1: Getting Started 9

Activating Your Phone 9
Switching the Phone On or Off 13
Setting Up Your Voice Mail 13

Section 2: Your Phone 15

Features of Your Phone 15
View of Your Phone 16
Keys 17
Display Layout 20

Section 3: Call Functions 23

Making a Call 23
Adjusting the Call Volume 25
Answering a Call 26
Accessing Call Records 27
Switching To Silent Mode 30
Selecting Functions and Options 31

Section 4: Menu Navigation 39

Menu Navigation 39
Menu Outline 41

Section 5: How to Enter Text 43

Changing the Text Input Method 43
Understanding Keypad Functions 45
Using the Multi-tap Input Method 46
Using the Speedy word Input Method 47
Entering Numbers and Special Characters 48

Section 6: Phonebook 49
Storing a Contact 49
Finding a Contact 52
Speed Dialing 55
Managing Caller Groups 56
Copying all SIM Phonebook Entries 57
Deleting all of the Phonebook Entries 58
Creating My Name Card 59
Setting My Own Phone Number 59
Checking the Memory Status 60

Section 7: Messages 61
Composing and Sending a BlackBerry Email 62
Composing and Sending a Text Message 63
Composing and Sending a Picture Message 65
Sending a Voice Note Message 67
Composing and Sending a PIN message 68
Accessing Messages 70
Using Text Templates 75
Searching for Messages 76

Section 8: Other Messaging 77
Voice Mail 78
Broadcast Messages (SIM dependent) 78
Instant Messaging 79

Section 9: Settings 83
Changing Settings 83
Time & Date Settings 84
Phone Settings 85
Display Settings 87
Sound Settings 90
Network Service Settings 93

Bluetooth 98
Security Settings 100
Voice Recognition Settings 102
Reset Settings 104
Message Settings 105

Section 10: Using BlackBerry Email 113
Setting Up BlackBerry Internet Email 114
Managing BlackBerry Internet Email 117
Setting Up BlackBerry Enterprise Server 118
Synchronizing Calendar and Contacts 123
Troubleshooting 126

Section 11: Applications 131
Recording Voice Notes 132
Using the Calendar 134
Using Alarm 139
Using File Manager 141
Using Calculator 148
Playing Games 149
Using Voice Recognition 150
Viewing World time 154
Using a Unit Conversion 155
Using the Timer 156
Using the Stopwatch 157
Setting Up BlackBerry Email Service 157
Accessing Get More Help 158

Section 12: Camera and Camcorder 159
Taking a Photo 159
Recording a Video 163
Accessing Photos or Videos 166

Section 13: t-zones 171
Accessing the Homepage of t-zones 171
Using Favorites 174
Accessing a Website by Entering a URL address 175
Clearing the Cache 176

Section 14: Health and Safety Information 177
Exposure to Radio Frequency (RF) Signals 178
Consumer Information on Wireless Phones 180
Road Safety 189
Operating Environment 191
Using Your Phone Near Other Electronic Devices 191
Potentially Explosive Environments 193
Emergency Calls 193
FCC Notice and Cautions 195
Other Important Safety Information 196
Product Performance 197
Availability of Various Features/Ring Tones 198
Battery Standby and Talk Time 199
Battery Precautions 199
Care and Maintenance 201

Section 15: Warranty Information 203
Standard Limited Warranty 203

Section 16: RIM Legal Disclaimer and Safety Information 209
Legal Disclaimer 209
Safety Information 210

Index 213

Section 1: Getting Started

Topics Covered

- Activating Your Phone
- Switching the Phone On or Off
- Setting Up Your Voice Mail

This section describes how to start using your phone by activating your service and setting up your Voice Mail and BlackBerry Email service.

Activating Your Phone

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, any optional services available, and many others.

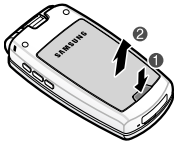
Installing the SIM Card

Important! The plug-in SIM card and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

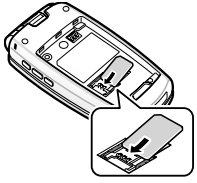
If necessary, switch off the phone by pressing and holding the key until the power-off image displays.

1. Remove the battery.

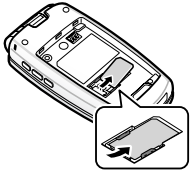
   To do so, press and hold the release button at the bottom of the battery using your thumb (1) and gently lift it in the direction of the arrow (2). Remove the battery.



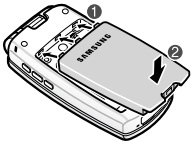
2. Make sure the gold contacts of the card face into the phone, then slide the SIM card into the socket.



Note: When you need to remove the SIM card, slide it, as shown, and take it out of the socket.



3. Replace the battery. Place the three tabs into the three holes located on the back of the phone (1). Press the battery into place (2).



Make sure that the battery is properly installed before switching on the phone.

Charging a Battery

Your phone is powered by a rechargeable Li-ion battery. A travel adapter comes with your phone for charging the battery. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

You can use the phone while the battery is charging, but this causes the phone to charge more slowly.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 2 hours.

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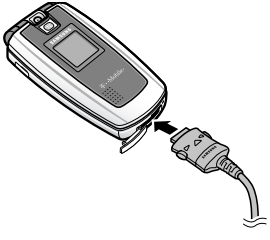
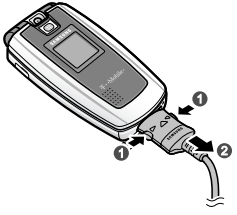
1. With the battery in position in the phone, plug the connector of the travel adapter into the jack at the bottom of the phone.



2. Plug the travel adapter into a standard AC wall outlet.

Note: For connection to an electrical supply not located in the U.S., you must use an adapter of the proper configuration for the power outlet. Use of the wrong adapter could damage your phone and void your warranty.

3. When charging is finished, unplug the travel adapter from the power outlet and disconnect it from the phone by pressing the buttons on both sides of the connector (1) and pulling the connector out (2).



Note: You must unplug the travel adapter before you remove the battery from the phone during charging; otherwise, the phone could be damaged.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, a warning tone sounds and the "Warning low battery" message repeats at regular intervals on the display. When this happens, your phone turns off the backlight to conserve the remaining battery power.

When the battery level becomes too low, the phone automatically turns off.

Switching the Phone On or Off

1. Open the phone.
2. Press and hold the key until the phone switches on.
3. If the phone is locked, enter the phone password and press the **OK** soft key or (OK).

   Note: The password is preset to **00000000** at the factory. To change this password, see "Change password" on page 101.

4. If the phone asks for a PIN, enter the PIN and press the **OK** soft key or (OK). For further details, see "PIN check" on page 100.

   The phone searches for your network and after finding it, the Idle screen appears. Now, you can make or receive calls.

Note: The display language is preset to English at the factory. To change the language, use the **Language** menu. For further details, see "Language" on page 85.

5. To switch off the phone, press and hold the key until the power-off image displays.

Setting Up Your Voice Mail

Follow the instructions below to set up Voice Mail:

1. Open your phone to access the keypad.
2. In Idle mode, press and hold on the keypad.
3. Follow the tutorial to create a password, a greeting, and your name.

Note: These steps may be different depending on your network.

Accessing Your Voice Mail

You can access your Voice Mail server by pressing and holding 1 on the keypad or by going to the menu. To access Voice Mail using the menu:

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Applications** and press the **Select** soft key or OK.
3. Highlight **Utilities** and press the **Select** soft key or OK.
4. Highlight **Voice mail** and press the **Select** soft key or OK.
5. Highlight **Call voice mail** and press the **OK** soft key or OK. Your phone dials the specified voice mail number.
6. When connected, follow the voice prompts from the Voice Mail server.

Changing the Voice Mail Number

Your SIM card gives you the default service number of the Voice Mail server. However, if you need to change the number, use the following procedures:

1. In Idle mode, press the **Menu** soft key to access the Menu mode.
2. Highlight **Applications** and press the **Select** soft key or OK.
3. Highlight **Utilities** and press the **Select** soft key or OK.
4. Highlight **Voice mail** and press the **Select** soft key or OK.
5. Highlight **Voice server number** and press the **OK** soft key or OK.
6. Highlight **Voice Mail** and press the **OK** soft key or OK.
7. Edit the number and press the **OK** soft key or OK. The number will be saved.
8. Press the key to return to Idle mode.

Section 2: Your Phone

Topics Covered

- Features of Your Phone
- View of Your Phone
- Keys
- Display Layout

This section outlines some key features of your phone. It also describes the screen and the icons that are displayed when the phone is in use.

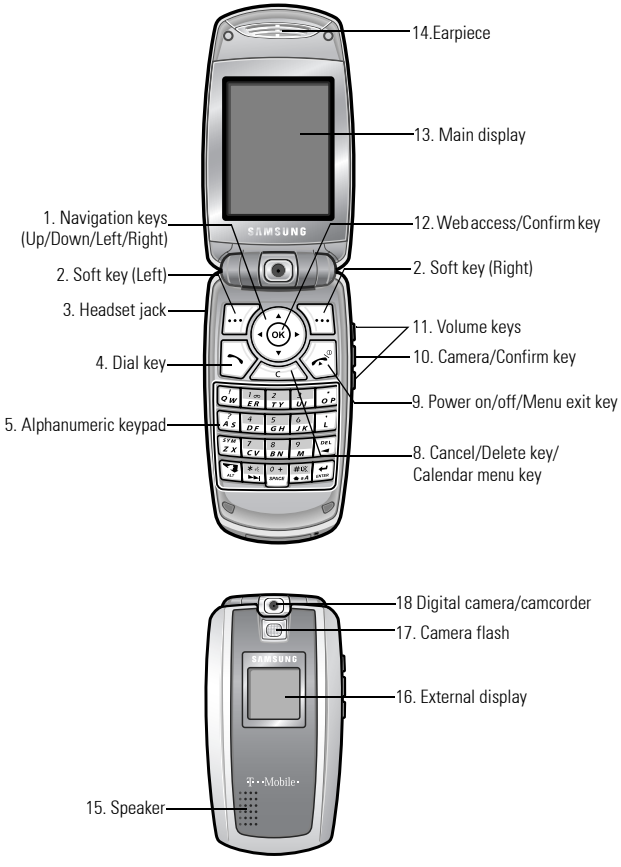
Features of Your Phone

Your phone is lightweight, easy-to-use and offers many significant features. The following list outlines a few of the features included in your phone.

- BlackBerry Email
- 1.3 Megapixel camera and camcorder
- Bluetooth® Wireless Technology
- Web browser
- Instant Messaging capability
- Voice Recognition capability
- Applications feature provides file manager, games, alarms, calendar, calculator, world time, unit converter, timer, and stopwatch.

View of Your Phone

The following illustrations show the main elements of your phone:



Keys

The following list correlates to the illustrations.

1. **Navigation keys**: In Menu mode, scrolls through the menus.

   In Idle mode:

   - **Up key**: allows you to access the Camera or Camcorder feature directly.
   - **Down key**: allows you to access the **Contacts list** menu directly.
   - **Left key**: allows you to access the **Messages** menu directly.
   - **Right key**: allows you to launch the Voice Recognition feature directly.

   When entering text, moves the cursor to the left or right, depending on which key you press.

2. **Soft key**: Performs the functions indicated by the screen text on the bottom line of the display.
3. **Headset jack**: Is used for the hands-free headset.
4. **Dial key**: Makes or answers a call.

   In Idle mode, dials the last number you have dialed, received, or missed when held down.

5. **Alphanumeric keypad**: Enters numbers, letters, and some special characters.

   1: In Idle mode, accesses your Voice Mail server when held down.

   *****: In Idle mode, initiates the Voice recognition feature when held down. Inserts a pause (P) when held down while entering a phone number.

   0: In Idle mode, inserts an international call prefix when held down.

   #: In Idle mode, enters or exits Silent mode when held down.

6. **Travel adapter/PC data cable jack**: Plug your travel adapter for charging the battery, or your PC data cable for a connection with a PC.
7. **Microphone**: Is used during phone calls and voice note recordings.
8. **Cancel/Delete key/Calendar menu key**: Deletes characters from the display.

   In Menu mode, it returns you to the previous menu level.

   In Idle mode, accesses the **Calendar** menu.
9. **Power on/off/Menu exit key**: Switches the phone on or off when held down. Also ends a call. In Menu mode, cancels your input and returns the phone to Idle mode.
10. **Camera/Confirm key**: In Idle mode, turns on the camera when held down.

    In Menu mode, selects the highlighted menu option.

    With the phone closed, turns on the external display or flashlight when held down.
11. **Volume keys**: During a call, adjusts the earpiece volume.

    In Idle mode, with the phone open, adjusts the ring volume. With the phone closed, turns on the external display when held down. Also, if the external display is on, one of the Volume keys turns on or off flashlight when held down.
12. **Web access/Confirm key**: In Idle mode, launches the WAP (Wireless Application Protocol) browser.

    In Menu mode, selects the highlighted menu option.

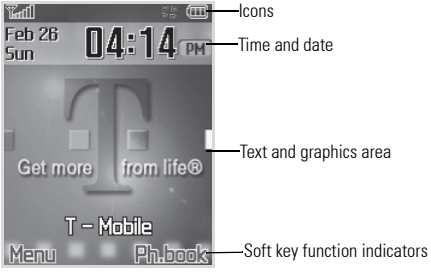
    When the Left soft key shows **Options**, it is the short-cut key to select the first option in the option list.

13. **Main display**: Displays area where text and graphics are displayed.
14. **Earpiece**: Is used to listen to audio from your phone.
15. **Speaker**: Is used for Speakerphone mode.
16. **External display**: Shows the received signal strength, phone battery level, date, and time.
17. **Camera flash**: Is used to take pictures when light is not adequate.
18. **Digital camera/camcorder**: The built-in digital camera/camcorder has image/video capture capabilities.

Note: You can quickly scroll the screen up or down by running your fingers over the three keys on the right side of the phone from the top or bottom.

Display Layout

The display has four areas:



Icons

Shows the received signal strength. The greater the number of bars, the stronger the signal.

Appears when you are out of your service area.

Appears when a call is in progress.

Appears when you set an alarm to ring at a specified time. For details, see "Using Alarm" on page 139.

Appears when a new text message has been received.

Appears when a new multimedia message has been received.

Appears when a new voice mail has been received.

Appears when the Call Forwarding feature is active. For details, see page "Call forwarding" on page 93.

Appears when you set the phone to vibrate when you receive a call.

Appears when Silent mode is active (Vibration).

Appears when Silent mode is active (Mute).

Appears when Mute mode is active during a call.

Shows the network connection status of the BlackBerry service.

Shows the level of your battery. The more bars you see, the more power you have remaining.

Backlight

A backlight illuminates the display and the keypad. When you press any key or open the phone, the backlight comes on. It goes off when no keys are pressed within a given period of time, depending on the setting in the **Backlight** menu.

To specify your Backlight settings:

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Settings** and press the **Select** soft key or OK.
3. Highlight **Display settings** and press the **Select** soft key or OK.
4. Highlight **Backlight** and press the **Select** soft key or OK.
5. Highlight **On**. Use the **Left** or **Right** Navigation key to select how long the backlight stays on. You may choose between 15 seconds, 30 seconds, 1 minute, 3 minutes, or 10 minutes.
6. Press the **Down** Navigation key to take you to **Dim**. Use the **Left** or **Right** Navigation key to select how long the display stays on after the backlight turns off. You may choose between Off, 15 seconds, 30 seconds, 1 minute, or 3 minutes.
7. Press the **Save** soft key to save your settings.

Section 3: Call Functions

Topics Covered

- Making a Call
- Adjusting the Call Volume
- Answering a Call
- Accessing Call Records
- Switching To Silent Mode
- Selecting Functions and Options

This section describes how to make or answer a call. It also includes information on the features and functionality associated with making or answering a call.

Making a Call

1. When the idle screen displays, enter the phone number and press the key.
2. When you want to finish your call, briefly press the key.

Note: When you activate the **Auto redial** option from the **Extra settings** menu in **Phone settings**, the phone will automatically redial up to 10 times when the person does not answer the call, provided your call is not sent to Voice Mail. See "Extra settings" on page 85 for further details.

Making an International Call

1. In Idle mode, press and hold 0 + SPACE. The **+** character appears.
2. Enter the country code, area code, and phone number and press the key.

Correcting the Number

1. To clear the last digit displayed, press .
2. To clear any other digit in the number, press the **Left** or **Right** Navigation key until the cursor is immediately to the right of the digit to be cleared. Press . You can also enter a missing digit.
3. To clear the whole display, press and hold .

Redialing the Last Number

Your phone stores the numbers of the calls you have dialed, received, or missed if the caller is identified.

To recall any of these numbers:

1. In Idle mode, press the key.
2. Use the **Left** or **Right** Navigation key to move to another call type.
3. Use the **Up** or **Down** Navigation key to scroll through the numbers and highlight the number you want.
4. To dial the number, press the key.

   Before you dial the number, you may press the **Options** soft key for the following options:

   - **Detail**: displays details of the number including name, number, and dates and times of calls.
   - **Call back**: places a call back to the number.
   - **Send message**: allows you to send a text message, picture message, or voice note message to the number.
   - **Save to phonebook**: stores the number in the Phonebook.
   - **Delete**: allows you to delete the selected call record or all call records.

For further details about call records, see "Accessing Call Records" on page 27.

Making a Call from the Phonebook

You can store phone numbers that you use regularly on the SIM card or in the phone's memory. These entries are collectively called the Phonebook.

Once you have stored a number in the Phonebook, you can dial it by pressing a few keys. You can also assign your most frequently-used numbers to number keys using the Speed Dial feature.

For further details about the Phonebook feature, see "Section 6: Phonebook" on page 49.

Adjusting the Call Volume

During a call, if you want to adjust the earpiece volume, use the Volume keys on the right side of the phone.

Press the ▲ key to increase the volume level and the ▼ key to decrease the level.

Note: In Idle mode, you can also use these keys to adjust the ringer volume.

Answering a Call

When somebody calls you, the phone rings and displays an incoming call image. The caller's phone number, or name if stored in the Phonebook, displays.

1. If necessary, open the phone. Press the **Accept** soft key or the key to answer the incoming call.

   If the **Anykey answer** option from the **Extra settings** menu in **Phone settings** is activated, you can press any key to answer a call except for the **Reject** soft key, the key, and Volume keys.

   If the **Open to answer** option from the **Extra settings** menu in **Phone settings** is activated, you can simply open the phone to answer a call.

   Notes:

   To reject an incoming call, press the **Reject** soft key or key, or press and hold the Volume keys.

   To mute the ringer, press the Volume keys.

2. End the call by pressing the key.

Note: You can answer a call while using the Phonebook or menu features. After ending the call, the phone returns to the function screen you were using.

Accessing Call Records

All incoming, outgoing and missed calls are listed in the Call Records. You can also view call time records.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Call records** and press the **Select** soft key or (OK).

Note: You can also access the call records of incoming, outgoing, and missed calls by pressing the key in Idle mode.

The following Call Record options are available:

All calls

This menu lets you view the 90 most recent calls you have dialed, received, and missed.

The number and name, if already stored in the Phonebook, display with the number of occurrences of each number.

Note: At any time while you are in Call Records, you may use the **Left** or **Right** Navigation key to scroll between **All calls**, **Missed calls**, **Incoming calls**, and **Outgoing calls**.

Missed calls

This menu lets you view the most recent calls you have received, but did not answer.

The number and name, if already stored in the Phonebook, display with the number of occurrences of each number.

Viewing Missed Calls without Using the Menu

When you are unable to answer a call for any reason, you can find out who is calling you, if this service is available, so that you can call the person back.

The number of the calls you have missed displays on the idle screen immediately after a call is missed.

To view a missed call immediately:

1. If the phone is closed, flip the phone open.
2. Press the **View** soft key.

   The number corresponding to the most recent missed calls displays, if available.
3. To scroll through the missed calls, press the **Up** or **Down** Navigation key.
4. Press the **Options** soft key for the following options:
   - **Detail**: displays details of the number including name, number, and dates and times of calls.
   - **Call back**: places a call back to the number.
   - **Send message**: allows you to send a text message, picture message, or voice note message to the number.
   - **Save to phonebook**: stores the number in the Phonebook.
   - **Delete**: allows you to delete the selected call record or all call records.
5. Press the key to return to Idle mode.

Incoming calls

This menu lets you view the most recent calls you have received.

The number and name, if already stored in the Phonebook, display with the number of occurrences of each number.

Outgoing calls

This menu lets you view the most recent numbers you have dialed.

The number and name, if already stored in the Phonebook, display with the number of occurrences of each number.

Delete all

This menu allows you to delete all of the records in each call type separately. You can also delete all of your call records at one time.

1. Highlight the type of calls you want to delete and press OK to place a check mark.
2. Press the **Delete** soft key.
3. When a confirmation message displays, press the **Yes** soft key or OK to confirm.

Call time

This menu lets you view the time log for calls you have made or received.

Note: The actual time invoiced by your service provider may differ from times displayed due to network features and service plan.

The following time logs are available:

- **Last call time**: shows the length of your last call.

- **Total incoming**: shows the total length of all calls you have received since the timer was last reset.
- **Total outgoing**: shows the total length of all calls you have made since the timer was last reset.
- **Life time**: shows the total length of time for incoming and outgoing calls. This information cannot be cleared.

To reset a call timer:

1. Use the **Up** or **Down** Navigation key to highlight the timer you want to reset.
2. Press the **Reset** soft key.
3. Enter the phone password and press the **OK** soft key or OK.

Note: The password is preset to **00000000** at the factory. To change this password, see "Change password" on page 101.

Switching To Silent Mode

Silent mode is convenient when you want to stop the phone from making a noise, in a theater for example.

In Idle mode, press and hold #⁂ until the "Silent mode" message and the Silent mode icon display.

In Silent mode, instead of making sounds, your phone will vibrate.

To exit and reactivate the previous sound settings, press and hold #⁂ again until the "Exit silent mode" message appears. The Silent mode icon no longer displays.

Selecting Functions and Options

Your phone offers a set of functions that allow you to customize it. These functions are arranged in menus and sub-menus, accessed using the two soft keys. Each menu and sub-menu allows you to view and change the settings of a particular function.

Using Soft Keys

The roles of the soft keys vary depending on the function you are currently using. The labels on the bottom line of the display just above each key indicate their current role.

Press the Left soft key to access **Menu** mode.

Press the Right soft key to access the **Phonebook** menu.

Selecting Options

To view the various functions and options available and to select the one you want:

1. Press a desired soft key.
2. Use the Navigation keys to highlight a menu.

3. To select the function displayed or the option highlighted, press the **Select** soft key or (OK).
4. To view the next function or highlight the next option on a list, press the **Down** Navigation key.
5. To move back to the previous function or option on a list, press the **Up** Navigation key.
6. To move back up one level in the menu structure, press the **Back** soft key or (C).
7. To exit the menu structure without changing the settings, press the key.

When you access a list of options, your phone highlights the currently active option. If, however, there are only two options, such as **On**/**Off** or **Enable**/**Disable**, your phone highlights the option that is not currently active, so that you can select it directly.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Switching off the Microphone (Mute mode)

You can temporarily switch your phone's microphone off, so that the other person on the phone cannot hear you.

Example: You want to say something to a person in the room but do not want the person on the phone to hear you.

To switch the microphone off temporarily:

1. Press the **Options** soft key and highlight **Mute**.
2. Press the **Select** soft key or (OK). The other person can no longer hear you. The Mute mode icon ( ) is displayed.

To switch the microphone back on:

1. Press the **Options** soft key and highlight **Unmute**.
2. Press the **Select** soft key or OK. The other person can hear you again. The Mute mode icon ( ) is no longer displayed.

Putting a Call on Hold

You can place the current call on hold whenever you want. You can make another call while you have a call in progress if your network supports this service.

To place a call on hold, simply press the **Options** soft key, highlight **Hold call**, then press the **Select** soft key or OK. You can reactivate the call whenever you want by pressing the **Resume** soft key.

To make a call while you have a call in progress:

1. Enter the phone number that you want to dial or look it up in the Phonebook.
2. Press the key to dial the second call. The first call is automatically put on hold.

You can also do as follows:

1. Press the **Options** soft key and highlight **Hold call**.
2. Press the **Select** soft key or OK.
3. Make the second call in the normal way.

Answering a Second Call

You can answer an incoming call while you have a call in progress, if this service is supported by the network and you have set the **Call waiting** menu to **Activate**. You are notified of an incoming call by a call waiting tone.

To answer a call while you have a call in progress:

1. Press the **Accept** soft key or the key to answer the incoming call. The first call is automatically put on hold.
2. To switch between the two calls, press the **Options** soft key, highlight **Swap** and press the **Select** soft key or OK.
3. To end the call on hold, press the **Options** soft key and select **End held call**. Then press the **Select** soft key or OK.
4. To end the current call, press the key.

Switching Between Two Calls

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

To switch between the two calls, simply press the **Options** soft key and select **Swap**.

The current call is placed on hold and the call on hold is reactivated so that you can continue conversing with that person.

When you want to finish, end each call normally by pressing the key.

Muting or Sending Key Tones

You can turn the key tones off or on.

1. Press the **Options** soft key and highlight **Mute keys** or **Send keys**.
2. Press the **Select** soft key or OK.

If the **Mute keys** option is selected, your phone does not transmit the DTMF (Dual Tone Multi-Frequency) tones of the keys, which allows you to press keys without hearing annoying key tones during a call.

To communicate with answering machines or computerized telephone systems, the **Send keys** option must be selected.

Making a Multi-party Call

A multi-party call is a network service that allows up to six people to take part simultaneously in a multi-party or conference call.

For further details about subscribing to this service, contact your service provider.

To set up a multi-party call:

1. Call the first participant in the normal way.
2. Call the second participant in the normal way. The first call is automatically put on hold.
3. To join the first participant to the multi-party call, press the **Options** soft key and highlight **Join**. Press the **Select** soft key or (OK).
4. To add a new person to the multi-party call, call the new person in the normal way and then press the **Options** soft key or (OK). Highlight **Join** and press the **Select** soft key or (OK).

   You can add incoming callers by answering the call and pressing the **Options** soft key and selecting **Join**. Repeat as required.

To have a private conversation with one participant:

1. Press the **Options** soft key and highlight **Select one**. Press the **Select** soft key or OK.

   The list of call participants appears.
2. Highlight a person you want to talk privately with by pressing the **Up** or **Down** Navigation key, and press the **Options** soft key.
3. Highlight **Split** and press the **OK** soft key.

   Now you can talk only to that person. The other participants can continue to converse with one another.
4. To return both private participants to the multi-party call, press the **Options** soft key or OK and highlight **Join**. Press the **Select** soft key or OK.

   All of the multi-party call participants can now hear one another.

To disconnect one participant:

1. Press the **Options** soft key and highlight **Select one**. Press the **Select** soft key or OK.

   The list of call participants appears.
2. Highlight the person you want to keep.
3. Press the **Options** soft key and highlight **Split**. Press the **OK** soft key.
4. Press the **Options** soft key or OK and highlight **End held multiparty**. Press the **Select** soft key or OK.

   The call with the participant on hold will end, but you can continue to talk to the other participants.
5. When you want to end the multi-party call, press the ⏻ key.

Searching for a Number in the Phonebook

You can access the Phonebook and search for a number during a call.

1. Press the **Options** soft key and highlight **Phonebook**. Then press the **Select** soft key or OK.
2. Highlight **Contacts list** and press the **Select** soft key or OK.
3. Enter the name that you want to find in the text box located above the entries. If you enter the first few letters of the name, the Phonebook entries are listed starting with the first entry matching your input.

   You can also use the **Up** or **Down** Navigation key to highlight the contact that you desire.
4. To view the highlighted entry, press the **Options** soft key.
5. Highlight **View** and press the **Select** soft key or OK. The contact information is displayed.
6. Highlight a phone number and press the key to dial the number.

For further details about the Phonebook feature, see "Finding a Contact" on page 52.

Sending DTMF Tones

You can use the **Send DTMF** option to send a key string or number during a phone call. For example, you can send a calling card number by DTMF while on a call.

1. Press the **Options** soft key.
2. Highlight **Send DTMF** and press the **Select** soft key or OK.
3. Enter a number and press the **OK** soft key. The number is sent.

Sending/Accessing a Message

You can send or access text and picture messages during a call.

1. Press the **Options** soft key.
2. Highlight **Messages** and press the **Select** soft key or OK.

For more information about the **Messages** menu, see "Section 7: Messages" on page 61.

Accessing Menu Mode

You can access Menu mode and use menu functions during a call.

1. Press the **Options** soft key.
2. Highlight **Menu** and press the **Select** soft key or OK.
3. Highlight the menu you want to access and press the **Select** soft key or OK.

Using the Speakerphone Feature

While on a call, you can activate the Speakerphone feature to listen and speak to the phone without holding it to your ear:

1. Press the **Spkr on** soft key to turn the Speakerphone on.
2. To turn the Speakerphone off, press the **Spkr off** soft key.

Section 4: Menu Navigation

Topics Covered

- Menu Navigation
- Menu Outline

This section explains the menu navigation for your phone. It also includes an outline of all the available menus associated with your phone.

Menu Navigation

You can tailor the phone's range of functions to your needs using menus and sub-menus. Menus and sub-menus can be accessed by scrolling using the Navigation keys or by using the shortcuts.

Accessing a Menu Function by Scrolling

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Scroll using the Navigation keys to reach a main menu, **Settings** for example. Press the **Select** soft key or (OK) to enter the menu.
3. If the menu contains sub-menus, **Security** for example, you can access them by pressing the **Select** soft key or (OK) after the sub-menu has been highlighted.

   If the menu that you have selected contains further options, repeat this step.

4. To scroll through the menus, press the **Up** or **Down** Navigation keys.
5. To confirm the chosen setting, press the **Select** soft key or OK.
6. To return to the previous menu level, press the **Back** soft key or C.
7. To exit the menu without changing the settings, press the key.

Using Shortcuts

The menu items, such as menus, sub-menus, and options, are numbered and can be accessed quickly by using their shortcut numbers. For the main menus, you can access any one of them by pressing the number keys (1 to 0) corresponding to their location on the screen.

Example: Accessing the **Security** menu.

1. Press the **Menu** soft key.
2. Press 9 M for **Settings**.
3. Press 7 CV for **Security**.

Menu Outline

The following list shows the menu structure and indicates the number assigned to each option.

1 Voice notes (See page 132)

2 Call records (See page 27)

- 2.1 All calls
- 2.2 Missed calls
- 2.3 Incoming calls
- 2.4 Outgoing calls
- 2.5 Delete all
- 2.6 Call time

3 t-zones (See page 171)

- 3.1 Home
- 3.2 Favorites
- 3.3 Go to URL
- 3.4 Clear cache

4 Instant Messaging (See page 79)

5 Messages (See page 61)

6 Applications (See page 131)

- 6.1 Calendar
- 6.2 Alarm
- 6.3 File manager
  - 6.3.1 Sounds
  - 6.3.2 Images
  - 6.3.3 Videos
  - 6.3.4 Other files
  - 6.3.5 Memory status
- 6.4 Calculator
- 6.5 Games
- 6.6 Utilities
  - 6.6.1 Voice recognition
  - 6.6.2 World time
  - 6.6.3 Unit conversion
  - 6.6.4 Timer
  - 6.6.5 Stopwatch
  - 6.6.6 Voice mail
- 6.7 Setup BlackBerry Internet email account

7 Get More Help (See page 158)

8 Camera (See page 159)

- 8.1 Take and send
- 8.2 Record video
- 8.3 My photos
- 8.4 My videos
- 8.5 My Album
- 8.6 My Journal

9 Settings (See page 83)

9.1 Time & Date
9.2 Phone settings
9.2.1 Language
9.2.2 Greeting message
9.2.3 Extra settings
9.2.4 Side keys
9.3 Display settings
9.3.1 Wallpaper
9.3.2 Info display
9.3.3 Interior display
9.3.4 LCD brightness control
9.3.5 Front LCD contrast control
9.3.6 Backlight
9.3.7 Dialing display
9.3.8 Show caller information
9.4 Sound settings
9.4.1 Incoming call
9.4.2 Keypad tone
9.4.3 Message tone
9.4.4 Power on/off
9.4.5 Folder tone
9.4.6 Silent mode
9.4.7 Extra tones
9.5 Network services
9.5.1 Call forwarding
9.5.2 Call barring*
9.5.3 Call waiting
9.5.4 Network selection
9.5.5 Caller ID
9.6 Bluetooth
9.6.1 Turn Bluetooth On/Off
9.6.2 My devices
9.6.3 My visibility
9.6.4 My phone name
9.6.5 Security modes
9.6.6 Features
9.7 Security
9.7.1 PIN check
9.7.2 Change PIN
9.7.3 Change password
9.7.4 FDN mode
9.7.5 Change PIN2
9.8 Voice recognition settings
9.8.1 Choice lists
9.8.2 Sensitivity
9.8.3 Digit dialing
9.8.4 Sound
9.8.5 About
9.9 Reset settings
9.10 Message settings
9.10.1 Email
9.10.2 Text message
9.10.3 Picture message
9.10.4 Broadcast message
9.10.5 Calendar view mode
9.10.6 BlackBerry options

* Shows only if supported by your SIM card.

Section 5: How to Enter Text

Topics Covered

- Changing the Text Input Method
- Understanding Keypad Functions
- Using the Multi-tap Input Method
- Using the Speedy word Input Method
- Entering Numbers and Special Characters

This section describes how to select the desired text input method when entering characters into your phone. This section also describes how to use the Speedy word Input Method to reduce the number of keystrokes associated with entering text.

Changing the Text Input Method

When using your phone, you will often need to enter text, such as when writing a message, storing a name in the Phonebook, creating your personal greeting or scheduling events on your calendar. You can enter alphanumeric characters by using your phone's keypad.

Your phone has the following text input modes:

- **Speedy word Input Method**: This mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter; for example, pressing 5 GH can enter G or H. However, the Speedy word input method automatically compares the series of keystrokes you make with an internal linguistic dictionary to determine the most likely word, thus requiring far fewer keystrokes than the Multi-tap input method.

- **Multi-tap Input Method**: This method allows you to enter letters by pressing the key labeled with the letter you want. How many times you press the key determines which letter appears.

When you are in a field that allows characters to be entered, you will notice the text input method indicator on the display.

1. To change the text input method, press and hold *.

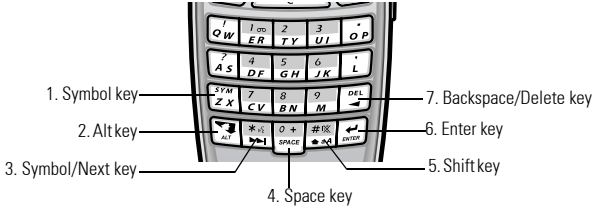
   Each time you press and hold *, a different text input method indicator will be displayed at the upper right corner of your display.

   The following options are available:

   - AB AB : Multi-tap Input Method
   - S AB : Speedy word Input Method
2. When the text input method indicator that you want is displayed, enter text in the message box using the selected text input method.
3. To change the case of the text before you type, press #. The text input method indicator will change to show which case has been selected as shown below. The following options are available for both text input methods:
   - AB AB : All upper-case letters. For example, **SAMSUNG**.
   - AB ab : All lower-case letters. For example, **samsung**.
   - AB Ab : Leading upper-case. For example, **Samsung**.

Understanding Keypad Functions

This phone features a QWERTY keypad which is similar to most typewriters and computer keyboards.



1. **Symbol key**: Press this key to access a list of symbols and special characters after pressing .
2. **Alt key**: Press this key before pressing a key to have that character displayed on the upper half of each alphanumeric key.
3. **Symbol/Next key**: Press this key to enter special characters. Also highlight the next word choice in Speedy word mode.
4. **Space key**: Press this key to insert blank spaces between words.
5. **Shift key**: This key functions as a Caps Lock.
6. **Enter key**: This key functions as a Carriage return.
7. **Backspace/Delete key**: Press this key to delete a character or backspace.

Using the Multi-tap Input Method

To use the Multi-tap input method, use the keypad to enter your text.

1. Press the key labeled with the letter you want:
   - Once for the first letter
   - Twice for the second letter
2. Select the other letters in the same way.

Note: The cursor moves to the right when you press a different key. When entering the same letter twice or a different letter on the same key, just wait for a few seconds for the cursor to move to the right automatically, and then select the next letter.

Keys

First press is **Q** or **q**, second press is **W** or **w**.

First press is **E** or **e**, second press is **R** or **r**.

First press is **T** or **t**, second press is **Y** or **y**.

First press is **U** or **u**, second press is **I** or **i**.

First press is **O** or **o**, second press is **P** or **p**.

First press is **A** or **a**, second press is **S** or **s**.

First press is **D** or **d**, second press is **F** or **f**.

First press is **G** or **g**, second press is **H** or **h**.

First press is **J** or **j**, second press is **K** or **k**.

First press is **L** or **l**. No second press is needed.

First press is **Z** or **z**, second press is **X** or **x**.

First press is **C** or **c**, second press is **V** or **v**.

First press is **B** or **b**, second press is **N** or **n**.

First press is **M** or **m**. No second press is needed.

You can move the cursor by using the Navigation keys. To delete letters, press . Press and hold to clear the whole display.

Using the Speedy word Input Method

The Speedy word Input Method is a predictive text input mode that allows you to key in any character using single keystrokes. This text input mode is based on a built-in dictionary.

To enter a word in the Speedy word Input Method:

1. Start entering a word by pressing the numeric keys. Press each key only once for each letter.

   Example: To enter "Hello," press the following keys:

   H E L L O

   The word that you are typing appears on the display. It may change with each key that you press. The word choices for your key presses appear on the soft key indicator field. You can select another word by pressing the **Left** or **Right** Navigation key or .

2. Enter the whole word before editing or deleting the keystrokes.

   If the word does not display correctly, a list of alternative words will appear at the bottom of the display. Use the Navigation keys to highlight the word you desire.

3. Confirm the word by pressing OK or the Right soft key.
4. Insert a space by pressing 0 SPACE and start entering the next word.

The Speedy word Input Method applies grammar rules to ensure that correct punctuation is used.

You can move the cursor by using the Navigation keys. To delete letters, press C. Press and hold C to clear the whole display.

Entering Numbers and Special Characters

In either text input method, to enter numbers, symbols, and special characters, follow these steps:

- To enter numbers, press ALT, and then the desired number key.

  Note: After pressing ALT, release it before pressing another key.

- To enter a period, press ALT, and then press 1.
- To enter a comma, press ALT, and then press 1.
- To enter an exclamation mark, press ALT, and then press 1.
- To enter a question mark, press ALT, and then press 7.
- To enter other symbols, press ALT, and then press 9. A numbered list of symbols and special characters is listed. Enter the number corresponding to the desired character and press the **OK** soft key.
- By pressing * multiple times you can enter the following characters: **. @ , - ? ! : ( ) / _**

Section 6: Phonebook

Topics Covered

- Storing a Contact
- Finding a Contact
- Speed Dialing
- Managing Caller Groups
- Copying all SIM Phonebook Entries
- Deleting all of the Phonebook Entries
- Creating My Name Card
- Setting My Own Phone Number
- Checking the Memory Status

This section describes how to store contacts in your Phonebook and manage your contacts.

Storing a Contact

You can store phone numbers and their corresponding names on your SIM card or phone's memory. They are physically separate but are used as a single entity, called Phonebook. Also, numbers that have been stored on your SIM card can be copied to your phone's memory.

Depending on your particular SIM card, the maximum number of phone numbers the SIM card can store may differ.

Note: When you copy a phone number from your SIM card to your phone's memory, the number will appear twice in your contact list.

Storing a Number in the Phone's Memory

1. In Idle mode, press the **Ph.book** soft key.
2. Highlight **Add new contact** and press the **Select** soft key or OK.
3. Enter a first name in the **First name** text box. Tab to the next text box by pressing the **Down** Navigation key.

   For further details about how to enter characters, see "Using the Multi-tap Input Method" on page 46.
4. Enter a last name in the **Last name** text box.
5. Highlight a number type by pressing the **Up** or **Down** Navigation key, then enter a number in the text box.

   The following types are available:
   - **Mobile**: assigns the number entered to the Mobile entry.
   - **Home**: assigns the number entered to the Home entry.
   - **Office**: assigns the number entered to the Office entry.
   - **Fax**: assigns the number entered to the Fax entry.
   - **Other**: allows you to enter more detailed information for the entry.
   - **Email**: assigns the address to the Email entry.
6. Continue to scroll down using the **Down** Navigation key to set a Picture ID, Ringtone, Group, Memo, and PIN if desired.
7. Press the **Save** soft key or OK. The number is saved to your phone's memory and the new contact information is displayed.
8. To return to Idle mode, press the key.

Storing a Number on the SIM Card

The default memory location for saving phone numbers to the Phonebook is your phone's memory. To store a number on your SIM card, you need to change the default saving location to **SIM card** first. For details, see page 52.

1. In Idle mode, press the **Ph.book** soft key.
2. Highlight **Add new contact** and press the **Select** soft key or OK.
3. Enter a name in the **Name** text box. Tab to the next text box by pressing the **Down** Navigation key.

   For further details about how to enter characters, see "Using the Multi-tap Input Method" on page 46.

   Note: Contacts stored to your SIM card do not have first and last names as separate fields. Therefore, you will have to enter first and last name in the name field if so desired.

4. Enter the phone number you want to store.

Note: To set a Picture ID, Ringtone, or Group, you must save the number in the phone's memory.

5. Press the **Save** soft key or OK. The number is saved to your SIM card and the new contact information is displayed.
6. To return to Idle mode, press the key.

Changing the Default Saving Location

The default memory location for saving phone numbers to your phonebook is your phone's memory. You can change the memory location to save phone number to your SIM card or you can set your default so that whenever a new Phonebook entry is created.

To change the default memory location, do as follows:

1. In Idle mode, press the **Ph.book** soft key.
2. Highlight **Management** and press the **Select** soft key or OK.
3. Highlight **Default saving** and press the **Select** soft key or OK.
4. Highlight **Phone**, **SIM card**, or **Ask on saving** and press the **Select** soft key or OK.

   If you select **Ask on saving**, you will be prompted to choose between **Phone** or **SIM card** each time you try to store a number in the Phonebook.
5. To return to Idle mode, press the key.

Finding a Contact

1. In Idle mode, press the **Ph.book** soft key.
2. Highlight **Contacts list** and press the **Select** soft key or OK.

Note: Steps 1 to 2 can be bypassed by pressing the **Down** Navigation key while in Idle mode.

3. Enter the first few letters of the name you want to find in the text box.

   The Phonebook entries are listed, starting with the first entry matching your input.

4. If needed, press the **Up** or **Down** Navigation key until the entry you want is highlighted.
5. Once you have found the entry, press the key to dial a number, or press the **Options** soft key to access the following Phonebook entry options:
   - **View**: shows the details of the Phonebook entry.
   - **Edit**: allows you to edit the contents of your contact.
   - **Send message**: allows you to send a message to the selected number. You may choose Text message, Picture message, Voice note, or Email.
   - **Add new contact**: allows you to add a new Phonebook entry.
   - **Call**: places a call to the number.
   - **Copy to**: allows you to copy the contact to your phone's memory or SIM card.
   - **Copy all to phone**: allows you to copy all numbers stored on your SIM card to your phone's memory.
   - **Assign speed dial**: allows you to assign a speed dial number to the selected Phonebook entry.
   - **Delete**: allows you to delete the selected name and number from the Phonebook or delete all Phonebook entries. You are asked to confirm that you want to delete the name and number by pressing the **Yes** soft key. To cancel, press the **No** soft key.
   - **Language select**: allows you to select between English, French, or Spanish.

6. If you select the **View** option, press the **Options** soft key after the contact information is displayed, for these additional options:
   - **Edit**: allows you to edit the name and number fields in the entry. You can also add email address and notes.
   - **Send message**: allows you to send a message to the selected number. You may choose Text message, Picture message, Voice note, or Email.
   - **Call**: places a call to the number.
   - **Copy to**: allows you to copy the number to your phone's memory or SIM card.
   - **Send name card via**: allows you to send the selected Phonebook entry as a digital name card format (VCF) via Text message, Picture message, or Bluetooth.
   - **Assign speed dial**: allows you to assign a speed dial number to the selected Phonebook entry.
   - **Delete**: allows you to delete the name and number from the Phonebook. You are asked to confirm that you want to delete the name and number by pressing the **Yes** soft key. To cancel, press the **No** soft key.

   After viewing one Phonebook entry, you can scroll through all Phonebook entries by pressing the **Right** or **Left** Navigation key.

Note: The Corporate Email Address lookup of the contact allows you to search for names stored at the Exchange Server or Lotus Notes if they are managed by your work place with BlackBerry Enterprise Server. Enter the email address you want to find and press the **Search** soft key. For further information, consult with your system administrator.

Speed Dialing

Once you have stored phone numbers in the Phonebook, you can set up to 8 speed dial entries and then dial them easily whenever you want, simply by pressing and holding the associated numeric key.

Setting Up Speed Dial Entries

1. In Idle mode, press the **Ph.book** soft key.
2. Highlight **Speed dial** and press the **Select** soft key or (OK).
3. Use the Navigation keys to select the number key to which you want to assign the speed-dialing number. Select one from the **2** to **9** keys, and press the **Options** soft key.
4. Highlight **Add** and press the **Select** soft key or (OK). Your Contact list will be displayed.
5. Highlight the entry you want to assign the speed dial to and press the **Select** soft key or (OK).
6. If the entry has more than one number, highlight the one you want and press the **Select** key or (OK).

   The number will be assigned to your speed dial entry.

Note: Memory location 1 is reserved for your Voice Mail server number and cannot be changed.

Dialing a Speed Dial Number

In Idle mode, press and hold the appropriate key to speed dial the numbers assigned to keys (2 to 9).

Managing Caller Groups

The Phonebook provides you with caller groups to allow you to organize your contacts by category. You can edit the properties of those caller groups or create a new caller group.

Editing a Caller Group

1. In Idle mode, press the **Ph.book** soft key.
2. Highlight **Group** and press the **Select** soft key or (OK).
3. Scroll through the group list by pressing the **Up** or **Down** Navigation key.
4. Highlight the group you want and press the **Options** soft key.
5. Highlight **Edit** and press the **Select** soft key or (OK).
6. To edit the caller group name, modify the text in the **Name** text box.
7. To change the image associated with the caller group, press the **Down** key to highlight the Picture ID icon. Press (OK).

   The following options are available:

   - **Take picture**: allows you to take a photo with your camera.
   - **My photos**: allows you to choose one of the photos in the **My photos** folder.
   - **My downloads**: allows you to choose one of the downloaded images.
   - **Icons**: allows you to choose one of the embedded icons.
8. To change the ringtone associated with the caller group, press the **Down** Navigation key to highlight the RingTone icon. Press (OK).

   The following options are available:

   - **Default sounds**: allows you to choose one of 30 different melodies.

- **My sounds**: allows you to assign one of the ringtones in the **My sounds** folder.

9. When you are finished, press the **Save** soft key. Your caller group settings will be saved.
10. Press the key to return to Idle mode.

Adding a New Group

1. In Idle mode, press the **Ph.book** soft key.
2. Highlight **Group** and press the **Select** soft key or OK.
3. Press the **Options** soft key.
4. Highlight **Add new group** and press the **Select** soft key or OK.
5. Enter a group name.
6. Set a picture ID and ringtone, and save the group by following from step 7 in "Editing a Caller Group" on page 56.

Copying all SIM Phonebook Entries

You can copy all SIM entries to the phone's memory. When you copy entries to the phone's memory, duplicate entries are created in the Phonebook.

1. In Idle mode, press the **Ph.book** soft key.
2. Highlight **Management** and press the **Select** soft key or OK.
3. Highlight **Copy all to phone** and press the **Select** soft key or OK.
4. After receiving the **Copy all to phone?** confirmation message, press the **Yes** soft key.

Deleting all of the Phonebook Entries

You can delete all your entries from your phone's memory, your SIM card, or both.

Important! Once Phonebook entries have been deleted, they cannot be recovered.

1. In Idle mode, press the **Ph.book** soft key.
2. Highlight **Management** and press the **Select** soft key or OK.
3. Highlight **Delete all** and press the **Select** soft key or OK.
4. Press OK to place a check mark by the memory location you want to empty; **All**, **Phone**, or **SIM card**.

   You can remove the check mark by pressing OK again.
5. Press the **Delete** soft key.
6. Enter your password and press the **OK** soft key or OK.

   Note: The password is preset to **00000000** at the factory. To change this password, see "Change password" on page 101.
7. When the **Delete all?** confirmation message appears, press the **Yes** soft key or OK.

   To cancel the deletion, press the **No** soft key.
8. When you are finished, press the key to return to Idle mode.

Creating My Name Card

My name card allows you to create a virtual business card. Once completed, you can send the card to recipients as a V-card attachment.

1. In Idle mode, press the **Ph.book** soft key.
2. Highlight **My name card** and press the **Select** soft key or OK.

   The name card screen opens with the **First name** field highlighted.
3. Enter information in each of the fields as desired. Use the **Up** or **Down** Navigation key to move between fields, then use the keypad to enter information.
4. When you have finished, press the **Options** soft key and highlight **Save**. Press the **Select** soft key or OK. Your name card will be saved.

Setting My Own Phone Number

This function is a memory aid, which you can use to check your own phone number if you need to do so.

You can assign a name to each of your own phone numbers registered on your SIM card. You can also edit the names and numbers. Any changes made here do not in any way affect the actual subscriber numbers on your SIM card.

1. In Idle mode, press the **Ph.book** soft key.
2. Highlight **Own number** and press the **Select** soft key or OK.
3. Highlight **Number 1** and press the **Options** soft key.

4. Highlight **Edit** and press the **Select** soft key or OK.
   Your phone number is displayed.
5. Edit the name and number, and press the **Save** soft key or OK.
6. Press the key to return to Idle mode.

Checking the Memory Status

You can check how many names and numbers are stored in the Phonebook both on the SIM card and in the phone's memory. You can also see the capacity of both memories.

1. In Idle mode, press the **Ph.book** soft key.
2. Highlight **Management** and press the **Select** soft key or OK.
3. Highlight **Memory status** and press the **Select** soft key or OK.
   Memory information in each storage location appears.
4. Press the key to return to Idle mode.

Section 7: Messages

Topics Covered

- Composing and Sending a BlackBerry Email
- Composing and Sending a Text Message
- Composing and Sending a Picture Message
- Sending a Voice Note Message
- Composing and Sending a PIN message
- Accessing Messages
- Using Text Templates
- Searching for Messages

This section describes how to send and receive text, picture, voice note, and PIN messages. It also includes the features and functionality associated with the messaging services. You can also send and receive emails on your phone using the BlackBerry email service.

The following message types are available:

- BlackBerry email
- Text messages
- Picture messages
- Voice note message
- PIN messages

Composing and Sending a BlackBerry Email

You can send an email via your BlackBerry email service. First, you need to set up the BlackBerry email service, referring to "Section 10: Using BlackBerry Email" on page 113.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Messages** and press the **Select** soft key or OK.
3. Press the **Compose** soft key.
4. Highlight **Email** and press the **Select** soft key or OK.
5. Highlight **[Email address]** or **[Phonebook]** and press the **Select** soft key or OK.
6. Select the email address to which you want the email to be sent. The selected address is inserted in the **To** text box.
7. To enter additional address, press the **Options** soft key, select **Add address** to enter additional to, cc, bcc addresses.
8. Press the **Down** Navigation key and enter the message subject.
9. Press the **Down** Navigation key and enter the message text.
10. When you have finished entering the message text, press the **Options** soft key.

    The following options are available:

    - **Send**: allows you to send the message.
    - **Add address**: allows you to enter additional to, cc, bcc addresses.
    - **Save to drafts**: saves the message as a draft for sending at a later time.
    - **Options**: allows you to set the importance level and sensitivity level of the message.

- **Language select**: allows you to set the language to English, French, or Spanish.

11. Highlight **Send** and press the **Select** soft key or OK. Your phone sends the message.

Composing and Sending a Text Message

Short Message Service (SMS) allows you to send and receive short text messages to and from other mobile phones. In addition, your phone supports the Enhanced Messaging Service (EMS), which enables you to include simple graphics, melodies, and animated images in your messages.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Messages** and press the **Select** soft key or OK.
3. Press the **Compose** soft key.
4. Highlight **Text message** and press the **Select** soft key or OK.
5. Enter the message text.

   For further details about entering characters, see "Section 5: How to Enter Text" on page 43.
6. When you have finished entering your message, press the **Options** soft key. The following options are available:
   - **Send**: allows you to send the message.
   - **Insert text via**: allows you to insert text templates, Phonebook entries, or URL addresses in Favorites. The **Text templates** option allows you to apply one of the preset message templates to the text. Select one of the 10 items stored in the Text messages template menu. **Phonebook** allows you to add names and phone numbers to your message. **Favorites** allows you to add URL addresses to your message.

- **Add content**: allows you to add a picture, animation, or melody to your message.
- **Attach**: allows you to attach a name card to your message.
- **Save to Drafts**: saves the message as a draft for sending at a later time.
- **Language select**: allows you to set the language to English, French, or Spanish.
- **Text style**: allows you to format the style of the text. For the text size, **Large**, **Medium**, and **Small** are available. Text mode options include **Normal**, **Underline**, and **Strikethrough**. The options for **Bold** and **Italic** are set by using (OK) to place a check mark.
- **Speedy word**: allows you to set the Speedy word input method as a default when creating a message.

7. Highlight **Send** and press the **Select** soft key or (OK).
8. Highlight one of the following options and press the **Select** soft key or (OK):
   - **Recent log**: allows you to select one of the recipients of your previous messages.
   - **Phonebook**: allows you to select a phone number from the Phonebook.
   - **Phone number**: allows you to manually enter a phone number.
9. If you chose **Recent log**, use (OK) to place check marks next to the entries you want and press the **Add** soft key.

If you chose **Phonebook**, highlight the contact you want and press the **Select** soft key or OK. If the contact has more than one number, highlight the number you want and press the **Select** soft key or OK.

If you chose **Phone number**, enter a phone number in the **To** text box.

10. To add another destination, enter a number in the **To** text box, or press **Options** soft key, select **Recent log**, **Phonebook**, or **Group**, and select the entries you want.
11. When you have finished entering the destinations, press the **Options** soft key, highlight **Send message**, and press the **Select** soft key or OK. Your phone sends the message.

Composing and Sending a Picture Message

Picture Messaging is a messaging service that provides delivery of personal multimedia messages from phone to phone or from phone to email.

In addition to the familiar text content of text messages, picture messages can contain images, graphics, voice, and audio clips. A picture message is a multimedia presentation in a single file. It is not a text file with attachments.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Messages** and press the **Select** soft key or OK.
3. Press the **Compose** soft key.
4. Highlight **Picture message** and press the **Select** soft key or OK.
5. Highlight **Subject** and press OK.

6. Enter the message subject and press OK.

   For more information about entering characters, see "Section 5: How to Enter Text" on page 43.

7. To add a picture or video clip, highlight **Image & Video** and press OK.
8. Highlight **Add Image** or **Add video** and press the **Select** soft key or OK.
9. Select an image or video file from the various options.
10. Press the **Options** soft key. Highlight **Add** and press the **Select** soft key or OK to add it to your message.
11. To add a sound, highlight **Sound** and press OK.

Note: If you attached a video clip to your message, you will not be able to add audio to the message.

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12. Highlight **Add Sound** and press the **Select** soft key or OK.
13. Select a sound file or voice note from the various options.
14. Press the **Options** soft key. Highlight **Add** and press the **Select** soft key or OK to add it to your message.
15. To add the message text, highlight **Message** and press OK.
16. Enter the text and press OK.
17. When you have finished creating the message, press the **Send** soft key.
18. Highlight one of the following options and press the **Select** soft key or OK:
    - **Recent log**: allows you to select one of the recipients of your previous messages.
    - **Phonebook**: allows you to select a phone number from the Phonebook.

- **Phone number**: allows you to manually enter a phone number.
- **Email address**: allows you to manually enter an email address.
- **My Album**: allows you to send the message to your online photo album on t-zones.
- **My Journal**: allows you to send the message to your online personal journal site on t-zones.

19. After selecting or entering the destinations, press the **Options** soft key. Highlight **Send** and press the **Select** soft key or OK. Your phone sends the message.

Sending a Voice Note Message

You can record a voice note and send it as part of a message.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Messages** and press the **Select** soft key or OK.
3. Press the **Compose** soft key.
4. Highlight **Voice note** and press the **Select** soft key or OK. The voice recorder screen appears.
5. Press the **Record** soft key or OK and record a voice note by speaking into the microphone.
6. When you have finished, press the **Stop** soft key or the **Down** Navigation key.
7. Press the **Send** soft key.
8. Highlight one of the following options and press the **Select** soft key or OK:
   - **Recent log**: allows you to select one of the recipients of your previous messages.

- **Phonebook**: allows you to select a phone number from the Phonebook.
- **Phone number**: allows you to manually enter a phone number.
- **Email address**: allows you to manually enter an email address.
- **My Album:** allows you to send the message to your online photo album on t-zones.
- **My Journal:** allows you to send the message to your online personal journal site on t-zones.

9. After selecting or entering the destinations, press the **Select** soft key or OK.

   To add another destination, select an empty **To** field, press the **Options** soft key. Repeat from step 7.

   Note: When entering multiple destinations, you can also choose **Group**, **Save to Drafts**, **Change recipient**, and **Back** options in addition to the other send options.

10. When you have finished entering the destinations, press the **Options** soft key. Highlight **Send** and press the **Select** soft key or OK. Your phone sends the message.

Composing and Sending a PIN message

A personal identification number (PIN) uniquely identifies each device on the network. If you know another person's PIN, which consists of 8 alphanumeric characters, you can send a PIN message to that person by entering the PIN as the destination.

Note: A PIN number is obtained when your device is provisioned for the BlackBerry service.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Messages** and press the **Select** soft key or OK.
3. Press the **Compose** soft key.
4. Highlight **PIN message** and press the **Select** soft key or OK.
5. Select the PIN from the PIN number list or highlight **PIN address** and press the **Select** soft key or OK. If you select **PIN address**, enter the PIN number and press the **OK** soft key or OK.
6. Enter the message subject and press the **Down** Navigation key.
7. Enter the message text.
8. When you have finished entering your message, press the **Options** soft key. The following options are available:
   - **Send**: allows you to send the message.
   - **Add address**: allows you to enter additional to, cc, bcc addresses.
   - **Save to drafts**: saves the message as a draft for sending at a later time.
   - **Options**: allows you to set the importance level and sensitivity level of the message.
   - **Language select**: allows you to set the language to English, French, or Spanish.
   - **Speedy word**: allows you to set the Speedy word input method as a default when creating a message.
9. Highlight **Send** and press the **Select** soft key or OK. Your phone sends the message.

Accessing Messages

When you access the **Messages** menu, a list of all types of messages appears in the order of the time and date when they were created or received.

You can tell what type of message it is by the icon displayed. If the icon envelope is open, the message has been read. Otherwise it will appear closed.

The following icons of messages may appear on the Messages list:

Icon	Message type	Message status	
	Text messages	(Sent)	(To be sent)
	PIN messages	(Pending) (Being sent)	(Sent) (Failed to be sent)
	BlackBerry emails	(Pending) (Being sent) (Sent)	(Failed to be sent) (To be sent)
	Picture messages	(Retrieved) (Being retrieved) (Sent)	(Failed to be sent) (To be sent)
	Voice note messages	(Retrieved) (Being retrieved)	(Sent) (Failed to be sent)
	Push messages		

Note: On the message list, you can resend the selected message by pressing the **Left** or **Right** Navigation key.

Accessing Messages by Category

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Messages** and press the **Select** soft key or OK.
3. Highlight a date bar and press the **Options** soft key.
4. Highlight **View folder** and press the **Select** soft key or OK.
5. Highlight **BlackBerry email** to access incoming or outgoing BlackBerry emails or highlight **SMS/MMS** to access incoming or outgoing text messages and picture messages, and press the **Select** soft key or OK.
6. Highlight one of the following message folders and press the **Select** soft key or OK:
   - **Inbox**: stores received messages.
   - **Sentbox**: stores messages successfully sent.
   - **Outbox**: stores messages to be sent or ones that failed to be sent.
   - **Drafts**: stores messages as drafts for sending at a later time.
7. Highlight a message and press OK.

Note: The BlackBerry emails are associated with folders at your Desktop client. The Desktop client is normally connected to Microsoft Exchange server or IBM Lotus Notes. When a folder is created at your Desktop client, the folder will be displayed automatically on the email folder list on your phone. You can only create the folder at your Desktop client. You can also move BlackBerry emails to one of the folders by using the **File** option.

Viewing an Incoming Message

1. Select a received message from the Messages list or the Inbox list and press the **Options** soft key.

   The following options will appear. Depending on the type of the selected message, available options vary:

   - **Open**: allows you to read the message.
   - **Play**: plays the voice note and view message details, if it is a voice note message.
   - **Mark opened**: switches the message status opened. The message icon changes to an unopened envelope.
   - **Reply**: allows you to send a reply to the sender by sending a text or picture message.
   - **Forward**: allows you to forward the message to other numbers.
   - **Delete**: deletes the selected message or all messages.
   - **Call back**: places a call to the selected number.

2. Highlight **Open** and press the **Select** soft key or OK to read the message contents.
3. To scroll through the contents, press the **Up** or **Down** Navigation key.

   To scroll to other messages in the same folder, press * or #.

While reading a received message, you may choose the following options by pressing the **Options** soft key. Depending on the type of the selected message, available options vary:

- **Reply via**: allows you to send a reply to the sender by sending a text or picture message.

- **Reply all via**: allows you to send a reply to all recipients by sending a picture message or voice note, if it is a picture message or voice note message.
- **Call back**: places a call to the selected number.
- **Forward**: allows you to forward the message to other numbers.
- **Replay**: allows you to view the message or listen to the note again, if it is a picture message or voice note message.
- **Delete**: allows you to delete the message.
- **Move to phone**: moves the message from the SIM card to the phone's memory. This option is only available for messages stored on the SIM card.
- **Move to SIM card**: moves the message from the phone's memory to the SIM card. This option is only available for messages stored in the phone's memory.
- **Go to URL**: allows you to go to the website corresponding to the selected URL address in the message, if it is a push message from a web server.
- **Save address**: allows you to extract the sender's number and URL, email addresses or phone numbers from the message text, so that you can save them in your phone's memory.
- **Save media**: allows you to save the media file in a message.
- **Protection:** allows you to lock the message to protect it from being deleted.

Viewing a Message When You Receive It

When a new picture message comes in, the display shows a picture message icon.

1. Press the **View** soft key to open the message.

   Press the **Exit** soft key if you want to view the message later in the Inbox.
2. Press the **Options** soft key or OK to access the various options described above.
3. When you are finished, press the key.

Accessing an Outgoing Message

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Messages** and press the **Select** soft key or OK.
3. Select a message from the Messages list or the Sentbox or Outbox list and press the **Options** soft key.
4. Highlight **Open** and press the **Select** soft key or OK to read the message contents.
5. To scroll through the contents, press the **Up** or **Down** Navigation key.

   To scroll to other messages in the same folder, press * or #.

While viewing a message, you can choose different options by pressing the **Options** soft key.

- **Send again**: allows you to send the message again.
- **Forward**: allows you to forward the message to other numbers.
- **Delete**: allows you to delete the message.

- **Save address**: allows you to extract the sender's number and URL, email addresses or phone numbers from the message text, so that you can save them in your phone's memory.
- **Protection**: allows you to lock the message to protect it from being deleted.

Using Text Templates

Besides entering message text using the keypad keys, you can speed message composition by including copies of stored text (Templates) in your message.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Messages** and press the **Select** soft key or OK.
3. Highlight a message sent, failed to be sent, or waiting to be sent, press the **Options** soft key.
4. Highlight **Text message templates** and press the **Select** soft key or OK.
5. Highlight the sentence you want.
6. To edit the sentence, press OK. Change the sentence and press OK to save changes.

   To send a new message using the sentence, press the **Options** soft key and select **Send message**, then a message type. The sentence will be placed on a message display. Continue to write your message. For more information, see "Composing and Sending a Text Message" on page 63 or "Composing and Sending a Picture Message" on page 65.

Searching for Messages

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Messages** and press the **Select** soft key or OK.
3. Highlight a date bar and press the **Options** soft key.
4. Highlight **Search messages** and press the **Select** soft key or OK.
5. Set the following search options:
   - **Name**: allows you to set a sender or recipient's name.
   - **In**: allows you to specify in which field the phone searches for the entered name.
   - **Subject**: allows you to set the message subject.
   - **Message**: allows you to set the message text.
   - **Folder**: allows you to specify which folder the phone searches.
6. Press the **Search** soft key. The phone begins searching for the messages matching your input and displays the results.
7. Highlight the message you want and compose a new message or access options.

Section 8: Other Messaging

Topics Covered

- Voice Mail
- Broadcast Messages (SIM dependent)
- Instant Messaging

This section describes how to send or receive different types of messages. It also includes the features and functionality associated with the messaging services.

Your phone also provides these message types:

- Voice Mail Messages: If you do not answer a call, the call may be diverted to Voice Mail so that the caller can leave you a voicemail. You can connect to the Voice Mail server anytime and check your voice mail messages.
- Broadcast Messages (SIM dependent): Your phone can receive text messages on various topics, such as traffic, news, weather forecast, sports, entertainment from T-Mobile.
- Instant Messaging: You can log onto an online community and have a chat with your friends or family by sending and receiving instant messages.

Voice Mail

This menu provides you with a way of accessing your Voice Mail server, if provided by your network.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Applications** and press the **Select** soft key or (OK).
3. Highlight **Utilities** and press the **Select** soft key or (OK).
4. Highlight **Voice mail** and press the **Select** soft key or (OK).

The following options are available:

- **Call voice mail**: before using the Voice Mail feature, you must enter the Voice Mail server number obtained from your service provider. You can then select this option and press the **OK** soft key or (OK) to listen to your voicemail messages. You can also connect to the Voice Mail server by pressing and holding 1 in Idle mode.
- **Voice server number**: allows you to change the Voice Mail server number.

Note: Voice Mail is a network feature. Please contact your service provider for further details.

Broadcast Messages (SIM dependent)

This network service allows you to receive text messages on various topics, such as the weather or traffic.

Please contact your service provider for further details.

Instant Messaging

Instant Messaging (IM) is a way of sending short, simple messages that are delivered immediately to users online at that moment.

Before using this feature, you need to subscribe to a messenger service. For further details, contact your service provider.

Starting your Instant Messaging

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Instant Messaging** and press the **Select** soft key or (OK).
3. Highlight the messenger service to which you subscribed using the **Up** or **Down** Navigation key and press the **Select** soft key or (OK).
4. Highlight **Sign on**, **Connect**, or **Sign in**, depending on your messenger service, and press the **Select** soft key or (OK).
5. Enter the required information, such as your ID and password, and press the **OK** soft key.

   Note: The information required for signing on will vary depending on the instant messaging provider you are using.

6. Follow the on-screen instructions to read, reply to, compose, send, and manage your IM account.
7. While on a conversation, press the **Options** soft key to access the following options:
   - **Send IM**: allows you to send the instant message you have typed to the people you are chatting with.
   - **Insert**: allows you to insert information, such as text templates, emoticons, URL addresses in Favorites, and Phonebook entries for your convenience.

- **Save conversation**: saves your conversation while you are chatting with people.
- **Language select**: allows you to change the language for entering messages.
- **End**: ends the current conversation.
- **Go to Contact list**: allows you to access the IM contact list.
- **Add contact**: allows you to add the current contact to the IM contact list, if the contact has not been saved before.
- **Delete contact**: deletes the contact if the current contact already exists on the IM contact list.

Using the Instant Messenger Options

On the sign-on screen of the messenger, press the **Options** soft key to access the following options:

- **Sign on**/**Connect**/**Sign in**: allows you to login to your IM account.
- **Saved conversations** (**convers.**): shows permanent records of your IM conversations.
- **Offline conversations** (**convers.**): shows dynamic records of your last 10 IM conversations.
- **Settings**/**Preferences**: allows you to change your default community and community settings, such as automatic sign-in or sounds.
- **Help**: provides various help information depending on the messenger service you have selected.

Managing IM Contacts

1. In Online mode, press the **Options** soft key.
2. Highlight **Contact list** and press the **Select** soft key or OK to access a list of your IM contacts.
3. Highlight a contact and press the **Options** soft key to access the following options.
   - **Open**: opens a new message screen allowing you to compose and send an instant message to the contact.
   - **End**: ends the conversation, if you are chatting with the contact.
   - **Send IM**: allows you to send an instant message to the contact.
   - **Manage contact**: allows you to add or delete contacts.
   - **Contact info.**: displays the contact details.
   - **Block contact**: allows you to block instant messages from the contact.
   - **My status**: allows you to change your presence status.
   - **Sign out**: allows you to log out of the IM community.
4. When you have finished, press the **Back** soft key.

Section 9: Settings

Topics Covered

- Changing Settings
- Time & Date Settings
- Phone Settings
- Display Settings
- Sound Settings
- Network Service Settings
- Bluetooth
- Security Settings
- Voice Recognition Settings
- Reset Settings
- Message Settings

This section explains the sound and phone settings for your phone. It also includes display settings, security settings, and extra settings associated with your phone.

Changing Settings

To change a setting option, do as follows:

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Settings** and press the **Select** soft key or (OK).
3. Highlight a menu, for example, **Phone settings**, and press the **Select** soft key or (OK).
4. Highlight a submenu, for example, **Language**, and press the **Select** soft key or (OK).

5. Highlight the setting option you want, or press the **Up** or **Down** Navigation key to change the setting.
6. Press the **Select** soft key or (OK) to save changes.

Time & Date Settings

This menu allows you to change the current time and date displayed in the idle screen.

The following options are available:

- **Set time**: allows you to change the hour and minute.
- **AM/PM**: allows you to set either AM or PM.
- **Time format**: allows you to select whether your time is displayed in 12 hour or 24 hour format.
- **Set date**: allows you to enter the current month, day, and year.
- **Date format**: allows you to select MM/DD/YYYY, DD/MM/YYYY, or YYYY/MM/DD format.
- **Auto update**: allows you to receive time information from your service provider's network.

  On: the phone automatically updates the time and date according to the current time zone using the network service.

  Confirm first: the phone asks for a confirmation before the update.

  Off: you need to manually set the time and date according to the current time zone using the **Time & Date** menu.

Note: Automatic updates of time and date do not change the time you have set for alarm settings.

Phone Settings

You can customize various phone system settings.

Language

This menu allows you to select a display language for Text language and Input mode. Choose one of English, Français (French), and Español (Spanish). If you select **Automatic**, the phone uses the same language as the SIM card.

Greeting message

This menu allows you to set a greeting to be displayed briefly when the phone is switched on.

For details about entering characters, see "Section 5: How to Enter Text" on page 43.

Extra settings

You can turn the automatic redialing or answering features on or off.

1. To turn a feature on, highlight the feature and press OK. A check mark displays in front of the option.
2. To turn a feature off, highlight the checked feature and press OK. The check mark no longer displays.

   The following options are available:

   - **Auto redial**: when this option is checked, the phone makes up to ten attempts to redial a phone number after an unsuccessful call. The interval between call attempts varies.

- **Anykey answer**: when this option is checked, you can answer an incoming call by pressing any key, except for the **Reject** soft key or the key. To reject the call, press the **Reject** soft key or the key, or press and hold the Volume keys. When this option is unchecked, you must press the **Accept** soft key or the key to answer a call.
- **Open to answer**: when this option is checked, you can simply open the phone to answer a call. When it is unchecked, you must open the phone and press a key to answer a call, depending on the setting of the **Anykey answer** option.

3. When you have finished changing your settings, press the **Save** soft key to save your settings. Otherwise, press the **Back** soft key.

Side keys

You can specify how the keys on the right side of your phone function in Idle mode.

The following options are available:

- **Selection (Middle)**: allows you to set OK to confirm your selection, or to function as one of the soft keys in Menu mode.
- **Application (Middle)**: allows you to set OK as a shortcut to access one of your favorite menus when held down in Idle mode.
- **Application (Short up)**: allows you to set the **Up** Volume key as a shortcut to access one of your favorite menus in Idle mode.
- **Application (Long up)**: allows you to set the **Up** Volume key as a shortcut to access one of your favorite menus when held down in Idle mode.
- **Application (Short down)**: allows you to set the **Down** Volume key as a shortcut to access one of your favorite menus in Idle mode.

- **Application (Long down)**: allows you to set the **Down** Volume key as a shortcut to access one of your favorite menus when held down in Idle mode.

Display Settings

In this menu, you can change various settings for the display and backlight.

Wallpaper

This menu allows you to change the background image to be displayed in Idle mode.

The following options are available:

- **Get more wallpaper**: takes you to t-zones where you can download wallpapers.
- **Default wallpapers**: allows you to choose from a list of wallpaper embedded your phone.
- **My downloads**: allows you to choose one of the downloaded or received images.
- **My photos**: allows you to choose one of the photos you have captured with your phone.

To change the background image:

1. Highlight a wallpaper category and press the **Select** soft key or OK.
2. Scroll to an image and press the **Options** soft key.
3. Highlight **Select** and press the **Select** soft key or OK.

   The image will be saved as your wallpaper.

Info display

This menu allows you to set the style and color of the text to be displayed in Idle mode. Press the **Left** or **Right** Navigation key to change the settings and press the **Save** soft key or (OK).

Interior display

You can change the color for the display components, such as title bars and highlight bars. There are two different patterns to choose from.

Brightness/Contrast control

You can adjust the brightness of the main display and the external display, or the contrast of the external display to see them better in different lighting conditions.

1. Highlight **LCD brightness control** or **Front LCD contrast control** and press the **Select** soft key or (OK).
2. Press the **Left** or **Right** Navigation key or the Volume keys to adjust the settings.
3. Press the **OK** soft key or (OK) to save your settings.

Backlight

In this menu, you can select the length of time that the backlight is on and how much longer the display is illuminated before going off.

- **On**: allows you to set how long the backlight stays on. You can select 15 seconds, 30 seconds, 1 minute, 3 minutes, or 10 minutes.
- **Dim**: allows you to set how much longer after the keypad backlight goes off that the display remains lit. You can select Off, 15 seconds, 30 seconds, 1 minute, or 3 minutes.

For example, if you set **On** for 30 seconds and **Dim** for 15 seconds, after 30 seconds the backlight of the display and keypad will turn off and 15 seconds later the display will turn off.

Press the **Left** or **Right** Navigation key to adjust the settings and press the **Save** soft key or (OK) to save your settings.

Dialing display

This menu allows you to select the size or color of your dialing font.

To change the font size:

1. Highlight **Font size** and press the **Select** soft key or (OK).
2. Use the **Left** or **Right** Navigation key to select either **Large**, **Medium**, or **Small**.
3. Press the **Save** soft key or (OK) to save your settings. Otherwise, press the **Back** soft key.

To change the color of the font:

1. Highlight **Font color** and press the **Select** soft key or (OK).
2. Use the **Left** or **Right** Navigation key to select either **Basic** (black), **Rainbow**, or **Monochrome**.
3. If you select **Rainbow**, press the **Down** Navigation key to change the color pattern.

   If you select **Monochrome**, press the **Down** Navigation key and select the monochrome color.
4. Press the **Save** soft key or (OK) to save your settings. Otherwise, press the **Back** soft key.

Show Caller Information

By turning this option on, caller information such as a name will be shown on your display when your missed calls are listed. You can also select **With front LCD** to have information displayed on the external display screen.

Sound Settings

You can customize various sound settings for your phone.

Incoming call

You can set up the options for the incoming call ringer.

- **Get more MegaTones**: allows you to access the website preset by T-Mobile and download new MegaTones.
- **Get more HiFi Ringers**: allows you to access the website preset by T-Mobile and download new HiFi Ringers.
- **RingTone**: allows you to select a ringtone. Use the **Up** or **Down** Navigation key and select **My sounds** or **Default sounds**. Then, press the **Select** soft key or (OK) to select the ringtone.
- **Volume**: allows you to adjust the ringer volume to one of 5 levels. Use the **Right** or **Left** Navigation key to increase or decrease the volume level.
- **Alert type**: allows you to specify how you are to be informed of incoming calls. Use the **Right** or **Left** Navigation key to select an alert type. The following options are available:

  Melody: the phone rings using the ringer melody selected in the **RingTone** menu.

  Vibration: the phone vibrates but does not ring.

  Vibration then melody: the phone vibrates 3 times and then starts ringing.

Keypad tone

This menu allows you to change the sound settings for the keypad.

- **On/Off**: turn the keypad tone on or off.
- **Keytone**: select a tone that the phone sounds when you press a key. Select one of the 5 tones.
- **BlackBerry tone**: select a different keypad tone for using BlackBerry.
- **Volume**: allows you to adjust the keypad tone volume to one of 5 levels. Use the **Right** or **Left** Navigation key to increase or decrease the volume level.

Message tone

This menu allows you to set the message tone for incoming Text, Picture, Email, and Broadcast messages.

- **Tone**: allows you to select a ringtone. You can choose one of 10 MSG tones.
- **Alert type**: This menu allows you to specify how you are to be informed of incoming messages. Use the **Right** or **Left** Navigation key to select an alert type. The following options are available:

  Melody: the phone rings using the ringer melody selected in the **Tone** menu.

  Vibration: the phone vibrates but does not ring.

  Vibration then melody: the phone vibrates 3 times and then starts ringing.

  Off: the phone neither vibrates nor rings.

- **Repetition**: allows you to set the phone to repeat alerting you to an incoming message. If you do not want the phone to repeat alerting, select **Once**. The phone will alert only one time when a message comes in.

Power on/off

This menu allows you to select the melody that the phone sounds when it is switched on and off.

To turn off the sound, select **Off**.

Folder tone

This menu allows you to select the melody that the phone sounds when you open or close the phone. You may choose between four different tones.

To turn off the sound, select **Off**.

Silent mode

This menu allows you to select how the phone reacts instead of making sounds in Silent mode. You may choose between **Vibration** and **Mute**.

Extra tones

You can customize additional tones for the phone.

1. To turn a given tone on, press OK. A check mark displays in front of the option.
2. To turn a given tone off, press OK. The check mark no longer displays in front of the option.

The following options are available:

- **Minute minder**: allows you to set whether or not the phone beeps every minute during an outgoing call to keep you informed of the length of your call.
- **Connection tone**: allows you to set whether or not the phone beeps when an outgoing call is connected to the system.
- **Alerts on call**: allows you to set whether or not the phone beeps when you receive a new message or the time for an alarm comes during a call.

Network Service Settings

You can set up network services supported by your service provider.

Call forwarding

This network service enables incoming calls to be rerouted to the number that you specify.

Example: You can forward your business calls to a colleague while you are on holiday.

To set your call forwarding options:

1. Scroll to a call forwarding option by pressing the **Up** or **Down** Navigation key and then press the **Select** soft key or (OK).

   The following options are available:

   - **Forward always**: all calls are forwarded.
   - **Busy**: calls are forwarded when your phone is busy.

- **No reply**: calls are forwarded when your phone is not answered.
- **Unreachable**: calls are forwarded when you are not in a service area or when your phone is switched off.
- **Cancel all**: all call forwarding options are canceled.

2. Select the type of calls, **Voice calls** or **Data calls**, by pressing the **Up** or **Down** Navigation key, and then press the **Select** soft key or (OK).

   The current status displays. If the option has already been set, the number to which the calls are forwarded displays.

3. To activate call forwarding, select **Activate** by using the **Left** or **Right** Navigation key.

   To deactivate call forwarding, select **Deactivate** by using the **Left** or **Right** Navigation key.

4. Enter the number to which the calls are to be forwarded in the **Divert to** text box and press the **Select** soft key or (OK). To enter an international code, press and hold 0 + SPACE until the **+** sign displays.

   The phone sends your settings to the network and the network's acknowledgement displays.

Call barring (SIM dependent)

Call Barring allows you to restrict specific types of incoming and outgoing calls for your phone. This is useful if you allow someone to use your phone for a short period of time.

To set your call barring options:

1. Scroll to a call barring option by pressing the **Up** or **Down** Navigation key and then press the **Select** soft key or (OK).

The following options are available:

- **All outgoing**: all outgoing calls are prohibited.
- **International**: all international calls are prohibited.
- **International except home**.: only allow calls to numbers within the current country when you are abroad, and to your home country.
- **All incoming**: all incoming calls are prohibited.
- **Incoming while abroad**: allows you to prohibit incoming calls when you use your phone outside of your home service area.
- **Cancel all**: cancels all call barring settings, allowing calls to be sent and received normally.
- **Change barring password**: allows you to change the call barring password obtained from your service provider.

2. Select the type of calls, **Voice calls** or **Data calls**, by pressing the **Up** or **Down** Navigation key, and then press the **Select** soft key or (OK).
3. To activate call barring, select **Activate** by using the **Left** or **Right** Navigation key.

   To deactivate call barring, select **Deactivate** by using the **Left** or **Right** Navigation key.

Call waiting

This network service informs you when someone is trying to reach you during another call.

You can specify individual call waiting options for voice calls and/or data calls.

To set your call waiting options:

1. Select the type of calls, **Voice calls** or **Data calls**, to which the call waiting option is to be applied by pressing the **Up** or **Down** Navigation key and then press the **Select** soft key or (OK).

   The screen informs you whether call waiting is activated or deactivated.

2. Highlight **Activate** or **Deactivate** and press the **Select** soft key or (OK).

   The phone sends your settings to the network and the network's acknowledgement displays.

Note: Select the **Cancel all** option to deactivate Call waiting on all voice calls and data calls.

Network selection

The Network Selection feature enables you to manually select the network used when roaming outside of your home area, or let the phone automatically select an available one.

Note: You can select a network other than your home network only if there is a valid roaming agreement between the two.

To change Network Selection mode:

1. Highlight **Search now** and press the **Select** soft key or (OK).
2. Press the **Up** or **Down** Navigation key until the network you want highlights and then press the **Select** soft key or (OK).

   The phone will scan for that network and you will be connected.

To change the default setting:

1. Highlight **Default setup** and press the **Select** soft key or OK.
2. Highlight either **Automatic** or **Manual** and press the **Select** soft key or OK.
3. If you select **Automatic**, you are connected to the first available network when roaming.

   If you select **Manual**, press the **Up** or **Down** Navigation key until the network you want highlights and then press the **Select** soft key or OK.

   The phone will scan for that network and you will be connected.

Caller ID

You can prevent your phone number from being displayed on the phone of the person being called.

Note: Some networks do not allow you to change this setting.

The following options are available:

- **Default**: the default setting provided by the network is used.
- **Hide number**: your number does not display on the other person's phone.
- **Send number**: your number is sent each time you make a call.

Bluetooth

Bluetooth is a short-range wireless communications technology capable of exchanging information over a distance of about 30 feet without requiring a physical connection.

Unlike infrared, you don't need to line up the devices to beam information with Bluetooth. If the devices are within a range of one another, you can exchange information between them, even if they are located in different rooms.

The following Bluetooth options are available:

Turn Bluetooth On/Off

This option allows you to turn Bluetooth **On** or **Off**. Make a selection and press the **Select** soft key or (OK).

My devices

This option allows you to search for new Bluetooth devices.

1. Highlight **Search new device** and press the **Select** soft key or (OK). The phone will search for available devices.
2. Highlight the device you want and press the **Select** soft key or (OK).
3. Enter a Bluetooth PIN and press the **OK** soft key or (OK). When the owner of the device enters the same PIN, the two devices are paired and connected.

My visibility

This option allows you to turn your visibility **On** or **Off**. Make a selection and press the **Select** soft key or (OK).

My phone name

This option shows the name given to your phone for Bluetooth purposes. You can edit the name if needed. This name will display on other devices when they search for available Bluetooth devices.

Security modes

This option allows you to set Security mode for Bluetooth to **On** or **Off**. Make a selection and press the **Select** soft key or OK. When Security mode is enabled, users of other devices, except for authorized ones, must enter the PIN each time they access your phone.

Features

This option shows the service profiles that you can use on your phone via a Bluetooth connection.

Actually, the Bluetooth specification is a protocol that describes how the short-range wireless technology works, whereas individual profiles describe the services supported by individual devices. Profiles reduce the chance that different devices will not work together.

The following service profiles are available:

- **Headset**: the remote Bluetooth headset enables outgoing and incoming calls.
- **Handsfree**: the remote Bluetooth car kit enables outgoing and incoming calls.
- **Serial port**: the remote Bluetooth device acts as a virtual serial port.
- **Dial up networking**: the remote Bluetooth device enables Internet access through a phone modem.

- **File transfer**: the remote Bluetooth device enables users to send and receive files from their handset to others.
- **Object push**: the remote Bluetooth device enables the transfer of personal data (e.g. vCard, vCalendar, etc.) to other devices.

Security Settings

The Security feature enables you to restrict the use of your phone by others and to restrict the types of calls. Various codes and passwords are used to protect the features of your phone.

PIN check

When the PIN Check feature is enabled, you must enter your PIN each time the phone is switched on. Consequently, any person who does not have your PIN cannot use your phone without your permission.

Note: Before enabling or disabling the PIN Check feature, you must enter your PIN.

The following options are available:

- **Disable**: the phone connects directly to the network when you switch it on.
- **Enable**: you must enter the PIN each time the phone is switched on.

Change PIN

This feature allows you to change your current PIN, provided the PIN Check feature is enabled. You must enter the current PIN before you can specify a new one.

Once you have entered a new PIN, you are asked to confirm it by entering it again.

Change password

This feature allows you to change your current password to a new one. It is preset to **00000000** at the factory.

1. Enter the default password, **00000000**, and press the **OK** soft key or (OK).
2. Enter a new 4- to 8-digit password and press the **OK** soft key or (OK).
3. Enter the new password again and press the **OK** soft key or (OK).

FDN mode

FDN (Fixed Dialing Number) mode, if supported by your SIM card, allows you to restrict your outgoing calls to a limited set of phone numbers.

The following options are available:

- **Disable**: you can call any number.
- **Enable**: you can only call phone numbers stored in the Phonebook. You must enter your PIN2. You can obtain your PIN2 from your service provider.

Change PIN2

The Change PIN2 feature allows you to change your current PIN2 to a new one. You must enter the current PIN2 before you can specify a new one. Once you have entered a new PIN2, you are asked to confirm it by entering it again.

Note: Not all SIM cards have a PIN2. If your SIM card does not, this menu does not display.

Voice Recognition Settings

You can adjust the settings and preferences for VoiceSignal by opening the **Voice recognition settings** menu.

Note: You can also press the **Right** Navigation key in Idle mode and press the **Settings** soft key to access the Voice Recognition setting options.

The following options are available:

- **Choice lists**: if VoiceSignal is not absolutely confident that it has correctly identified a name or number, it can display a choice list of up to three possibilities, and prompt you to confirm the correct one. You can control when choice lists appear by changing the Choice Lists setting to the following:

  Automatic: VoiceSignal displays a choice list when it is not confident it has identified the correct choice from among multiple alternatives.

  Always On: when there are multiple alternatives, VoiceSignal always displays a choice list.

  Always Off: VoiceSignal never displays a choice list. Instead, the application picks the best from among the possible choices.

- **Sensitivity**: in VoiceSignal, sensitivity controls the balance between rejecting too much, which means the phone frequently does not recognize names, numbers, or commands, and rejecting too little, which means it frequently recognizes something even if nothing was said. When VoiceSignal rejects an utterance, it displays a message such as “Please repeat…” or “No match found.”

If you frequently experience these messages, you might be able to get better recognition by adjusting the Sensitivity setting toward **Reject Less**.

If you frequently experience false activations (VoiceSignal detects a wrong match), you might be able to get better performance by adjusting the Sensitivity setting toward **Reject More**.

- **Digit dialing**: You can adapt digit dialing to your voice.

  Adapt digits: lets you adapt digits, which can improve voice recognition of phone numbers. Adaptation takes about 60 seconds.

  Reset digits: erases any digit adaptation you have done and resets digit recognition to the factory default. If you have not adapted digits, this option is grayed out.

- **Sound**: you can customize the VoiceSignal user interface by turning playback on or off for prompts, names, and numbers. You can also change the speed and volume of name playback.

  Prompts: turns playback on or off for prompts such as "Please say a command."

  Digits: turns playback on or off for digits, for example, when confirming a phone number.

  Names: turns playback on or off for names.

  Name settings: adjusts the speed and volume of name playback.

  Speakerphone: turns the Speakerphone feature on when initiating the Voice recognition feature.

- **About**: displays information about VoiceSignal including version number, build number, and device number.

Reset Settings

In this menu, you can reset your phone's settings to their default settings.

The following options are available:

- **All settings**: Phone, Display, and Sound settings will be returned to default values.
- **Phone settings**: only phone settings will be returned to default values.
- **Display settings**: only display settings will be returned to default values.
- **Sound settings**: only sound settings will be returned to default values.

To reset your settings:

1. Highlight one of the options and press (OK) to place a check mark in front of the option.
2. Press the **Reset** soft key.
3. You will be prompted with **Reset settings?**. Press the **Yes** soft key.
4. Enter the 4- to 8-digit password and press the **OK** soft key or (OK).

Note: The password is preset to **00000000**. To change this password, see "Change password" on page 101.

Message Settings

You can set up various options for using the messaging services. You can also select the calendar view and specify options for using BlackBerry.

Email

The following options are available for email settings:

- **Email reconciliation**: allows you to set up the options for synchronizing with the email server.

  Delete on: deletes an email in the phone's memory or on the server after retrieving. If you select **Prompt**, the phone will ask you to delete an email.

  Wireless reconciliation: allows whether the phone automatically synchronizes emails with the server when retrieving.

  On conflicts: allows you to set the priority of synchronization when your email data in the phone and on the server is not reconciled.

- **Menu setup**: allows you to set the length of time an email displays its details in 3-line view after an email is highlighted on the Messages list.

Text message

The following options are available for sending text messages.

- **Service center**: allows you to store or change the number of your message center, which is required for sending messages. You must obtain this number from your service provider.

- **Destination address**: allows you to enter a number that you would like to send all messages to. You can still send message to others, but this number will always appear on the Send list.
- **Validity period**: allows you to set the length of time your text messages are stored at the message center while attempts are made to deliver them.
- **Reply path**: allows the recipient of your message to send you a reply message using your message center, if your network supports this service.
- **Delivery report**: when this option is checked, the network informs you whether or not your message has been delivered.

Picture message

The following options are available for sending and receiving picture messages.

Send settings

- **Delivery report**: when this option is enabled, the network informs you whether or not your message has been delivered.
- **Read reply**: when this option is enabled, your phone sends a request for a reply along with your message to the recipient.
- **Priority**: you can select the priority level of your messages.
- **Expiry date**: the expiration date is how long the message receiver has to retrieve the message.
- **Delivery time**: you can set a delay time before the phone sends your messages.

Receive settings

- **Anonymous reject**: you can set your phone to automatically reject anonymous messages.
- **Ads allowed**: allows you to receive advertisements.
- **Report allowed**: allows the network to inform the sender when a message has been delivered to you.

Broadcast message

The following options are available for receiving Broadcast messages.

- **Receive**: allows you to set whether or not the phone receives broadcast messages.
- **Channel**: allows you to select the channels from which you want to receive broadcast messages. Please contact your service provider for further details.
- **Language**: allows you to select the preferred languages in which broadcast messages display on your phone.

Calendar view mode

Use this option to select the default for your Calendar view. Select between Month view, Week view, or Day view. After making your selection, press the **Save** soft key or OK. When you access the **Calendar** menu, the calendar appears in the selected view mode.

BlackBerry Options

Network

You can set options for a network connection.

- **BlackBerry connection**: refreshes the network connection to the BlackBerry service.
- **Network**: allows you to suspend the current network connection, or resume the connection.

Host routing table

You can register your phone to a BlackBerry infrastructure so that the phone is properly connected to a cellular network. Please contact your service provider for further details on the Host routing table (HRT).

Message services

You can select the default email account.

Owner

You can set up BlackBerry owner information.

- **Owner name**: allows you to set your BlackBerry user name.
- **Owner info**: allows you to set BlackBerry user information.

Note: You can access the BlackBerry owner information by pressing the **Menu** soft key in Idle mode and then pressing 9 M, 0 + SPACE, 5 JK, and 4 DF.

Security

You can set options for securing BlackBerry.

- **Password**: allows you to enable or disable the use of the password. To enable the Privacy feature, you need to enable the use of the password first.
- **Security timeout**: allows you to set an interval for the phone to ask for the password.
- **Privacy**: allows you to enable or disable Privacy. Once it is enabled, you need to enter the password each time you access any phone functions.

  Note: If you fail to enter the correct password 10 times, you are prompted to reset the phone. After resetting the phone, the Privacy feature is disabled and Email, Calendar, and Corporate Email Address lookup are erased.

- **Change password**: allows you to set a password or change it.

Service book

Service book determines which BlackBerry services are available on your phone. In this option, you can view the list of services, such as Mail, Address lookup, and Calendar that your device is registered for. If the Mail service book is displayed, then your device is ready to use the BlackBerry email service (you need to set up your phone along with an email account on page 113). You need to consult with your system administrator at your work place or simply connect to t-zones for setting up an Internet email account.

GPRS review

You can check GPRS information, such as MCC, MNC, IMEI, IMSI, ICCID, BlackBerry PIN number, product name, device type, device class, and system and stack versions.

IT Policy

You can check the current status of the security settings for your phone.

- **IT Policy name**: shows the IT policy name.
- **Last updated**: shows the date when the IT policy has been updated from the BlackBerry Enterprise Server.
- **Set password timeout**: shows the expiration time (minute) for the password input. The phone will ask you to enter the password in the specified amount of time.
- **Max security timeout**: shows the maximum security expiration time (minute). The security will be disabled after the specified amount of time.
- **User can change timeout**: shows whether or not you are able to change the expiration time length.
- **Password required**: shows whether or not the phone requires a password.
- **Password pattern check**: shows the pattern of your password.
- **Maximum password age**: shows the maximum age of the password before you are prompted to change it.
- **Minimum password length**: shows the minimum length of an acceptable security password.
- **Password attempts**: shows how many attempts the phone permits when you enter a wrong password.
- **Long-term timout**: shows whether the long-term security expiration time is enabled or disabled on the phone. When it is enabled, the phone prompts you for your password every hour.

- **User can disable PW**: shows whether or not you are able to disable the password.
- **Email reconciliation**: shows whether the email reconciliation is enabled or disabled. When it is enabled, the phone email status is automatically reconciled with the email status stored at the server.
- **Allow Bcc recipients**: shows whether your BlackBerry Enterprise Server allows you to send messages to the Bcc recipients.

Reset BlackBerry data

You can clear all BlackBerry data and reset your BlackBerry settings.

Section 10: Using BlackBerry Email

Topics Covered

- Setting Up BlackBerry Internet Email
- Managing BlackBerry Internet Email
- Setting Up BlackBerry Enterprise Server
- Synchronizing Calendar and Contacts
- Troubleshooting

This section describes how to set up and manage BlackBerry email accounts for sending and receiving emails. T-Mobile offers you the ability to receive emails on your phone from two sources:

- Via BlackBerry® Internet Email

  With BlackBerry Internet Email, you can retrieve emails from your business or personal email account (such as your Yahoo® account) on your phone. You can add up to five different accounts. You can also create a new BlackBerry email address that is specific to your phone. See “Setting Up BlackBerry Internet Email” for setup instructions on page 114.

  Note: You cannot set up your account to retrieve emails from your Hotmail account.

- Via your organization’s BlackBerry Enterprise Server™

  With BlackBerry Enterprise Server, you can access corporate emails and calendar from your phone. See "Setting Up BlackBerry Enterprise Server" for setup instructions on page 118.

Note: The recommended method for accessing corporate email is through the BlackBerry Enterprise Server. You can receive corporate emails using BlackBerry Internet Email if you do not have access to a BlackBerry Enterprise Server, and your organization uses Microsoft Exchange® and supports Outlook Web Access.

Setting Up BlackBerry Internet Email

To send and receive emails from your personal email account (such as your Yahoo® account) on your phone, you must first set up your phone for BlackBerry Internet Email. Once you have set up your phone, you can then add the email account.

Setting Up an Email Service Type

1. Verify that your phone is connected to the wireless network and that you are in an area of wireless coverage.
2. In Idle mode, press the **Menu** soft key to access Menu mode.
3. Highlight **Messages** and press the **Select** soft key or press OK.
4. Press the **Compose** soft key.
5. Highlight **Setup Email** and press the **Select** soft key.
6. Highlight **BlackBerry Internet Email** and press OK.

   The phone displays, "BlackBerry initializes" message followed by "BlackBerry connected" message. When successfully connected, you will see on top of the phone screen.
7. Press the key to go back to Idle mode.

Adding an Email Account

Messages from all accounts will be delivered to the **Messages** folder on your phone.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Applications** and press the **Select** soft key or OK.
3. Highlight **Setup BlackBerry Internet email account** and press the **Select** soft key or OK.
4. Scroll to your time zone and press OK.
5. Carefully read and accept the Terms and Conditions.
6. Scroll to **Yes** and press OK.
7. Type the e-mail address and password.
8. Confirm the password and select **Next**.

   Depending on the e-mail account that you add, you may be prompted to select an account type. Depending on the account type, you may be prompted for the following information:

   - **E-mail Server**: Type the e-mail server address for your Internet Service Provider (ISP) (example, mail.ispname.com). Contact your ISP if you do not know the e-mail server address.
   - **User Name**: The username you use to log in your e-mail account.
   - **Outlook Web Access URL**: Type the Web address for your Microsoft® Outlook account.
   - **Account Name**: Type the mailbox name for your Microsoft® Outlook account.

- **Use SSL**: Enable the Secure Sockets Layer encryption for retrieving messages from this account, if it is supported by your ISP.

Note: If you add a Microsoft® Outlook or IBM® Lotus® Notes® e-mail account, you may be prompted to install the BlackBerry Mail Connector application on your computer. Follow instructions on the screen to install the Mail Connector from a computer connected to your work network.

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9. Click **Next**. If the address was successfully added to your BlackBerry® Internet E-mail account, you will receive a confirmation message.
10. Click **OK**.

Creating a New BlackBerry Internet Email Address

You can create a new BlackBerry email address (xxxx@tmo.blackberry.net) that is specific to your phone.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Applications** and press the **Select** soft key or (OK).
3. Highlight **Setup BlackBerry Internet email account** and press the **Select** soft key or (OK).
4. Highlight **E-mail Accounts** if you see this option available and proceed to Step 5.
5. Highlight **Create a BlackBerry e-mail address** and press (OK).
6. In the **Username** field, type the name that you want before the @ symbol in the xxxxx@tmo.blackberry.net email address.
7. If the user name entered is available, you will receive a message on your phone letting you know that account creation was successful. Click **OK**.

8. If the user name you wish to use is unavailable, you will be prompted to enter a different user name.
9. Select **Next**. If the BlackBerry email address was successfully created, you will receive a confirmation message.
10. Select **OK**.

Managing BlackBerry Internet Email

You can manage settings and options of the email accounts that you have configured directly from your phone or from a computer.

Using Your Phone:

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Applications** and press the **Select** soft key or OK.
3. Highlight **Setup BlackBerry Internet email account** and press the **Select** soft key or OK.
4. Highlight **E-mail Accounts** and press OK.
5. Highlight the email account that you want to manage and press OK.
6. Highlight **Edit** and press OK.

   Now you can manage existing accounts, create new accounts, or change your settings.

Using Your Computer:

The following requirements must be met to log in and manage account options using the computer:

- Internet Browser: Microsoft® Internet Explorer version 6.0 (or later)
- Operating System: Windows® 2000 SP4 or Windows® XP SP2

1. On your computer, go to My T-Mobile at http://my.t-mobile.com.
2. Log in to My T-Mobile.
3. Click the **BlackBerry Internet E-mail** link. Now you can manage existing accounts, create new accounts, or change your settings.

Setting Up BlackBerry Enterprise Server

Before starting, you must:

1. Set up your phone to receive emails.
2. Install the Samsung PC Studio software on your computer.
3. Install the USB driver on your computer.
4. Install the Desktop Manager for Samsung software on your computer.

Requirements for installing:

- Active BlackBerry Enterprise Server account (If you are not sure, contact your system administrator to verify account settings.)
- Windows® XP SP2 or Windows 2000 SP4
- USB 1.0
- CD-ROM drive

Setting Up Your Phone to Receive Emails

To send and receive emails on your phone, you must first set up your phone for BlackBerry Enterprise Server.

1. Verify that your phone is connected to the wireless network and that you are in an area of wireless coverage.
2. On your phone, in Idle mode, press the **Menu** soft key to access Menu mode.
3. Highlight **Messages** and press the **Select** soft key or OK.
4. Press the **Compose** soft key.
5. Highlight **Setup Email** and press the **Select** soft key or OK.

   Note: If you do not see **Setup Email**, see the Troubleshooting BlackBerry Enterprise Server Email section.

6. Highlight **BlackBerry Enterprise Server** and press OK.

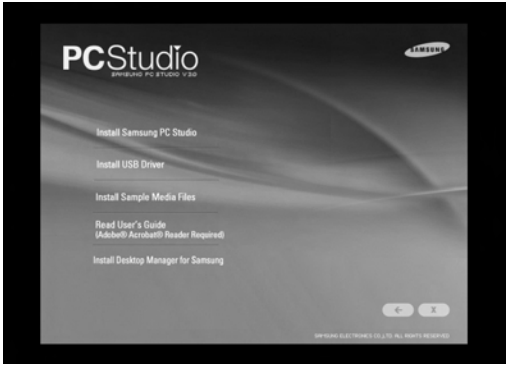
   The phone displays the "BlackBerry initializes" message followed by the "BlackBerry connected" message. When successfully connected, you will see on top of the phone screen.

Installing Software and Drivers

Important!: Be sure to install the Samsung PC Studio software first before installing the USB driver and Desktop Manager for Samsung software.

1. Insert the CD (that came with your phone) into your computer's CD-ROM drive. The **Select Language** screen opens.

2. Click **English**. The main installation screen opens.



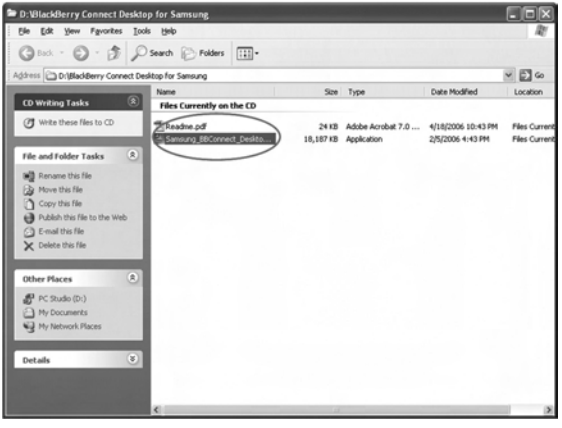
Note: Do not exit out of this screen because you will need to go back to this screen to install the USB driver and the Desktop Manager for Samsung software.

3. Click **Install Samsung PC Studio.**
4. Follow the instructions on the screen until you finish.

Note: During the installation, the Wizard will instruct you to connect your phone to your computer using the USB cable. When you have successfully installed the software, the Samsung PC Studio screen opens.

5. Minimize the Samsung PC Studio screen to go back to the main installation screen.
6. Click **Install USB Driver**.
7. Follow the instructions on the screen until you finish installing the USB driver.
8. Go back to the main installation screen and click **Install Desktop Manager for Samsung**.

9. Double-click **Samsung_BBConnect_Desktop_Setup_2.1.1.6**.



10. Follow the instructions on the screen until you finish installing the BlackBerry Connect™ Desktop software.
11. Open the BlackBerry Connect Desktop for Samsung software on your computer.
12. Make sure your phone is connected to your computer and you see on top of the phone screen.
13. Click the **Connect** button.
14. Configure the options you wish for your BlackBerry service.
15. Close the BlackBerry Connect Desktop software when done.

Synchronizing Calendar and Contacts

You can synchronize Calendar and Contacts with your phone.

- If you are using BlackBerry Enterprise Server version 2.1 or higher

  Calendar

  Wireless synchronization of Calendar events is supported. This means that any changes you make to your Calendar in your Outlook or Lotus Notes are synchronized with your phone wirelessly.

  Important!: If you are using BlackBerry Enterprise Server, DO NOT use Samsung PC Studio to synchronize your Calendar or you will disable wireless calendar synchronization.

  Note: Your phone stores a maximum of 256 calendar events. To clear out old events and store new ones, synchronize your phone with Outlook on your computer.

  Contacts

  To synchronize Contacts information, you need to install the Samsung PC Studio software to your computer. Connect your phone to your computer with the USB cable. Open the Samsung PC Studio software and click **Synchronize**. Click **Yes** to grant access to your Microsoft Outlook folders. Select **10 Minutes** in the drop-down menu. This will ensure that your computer has enough time to synchronize all your contacts.

  Note: You can store a maximum of 1,000 contacts on your phone.

- If you are not using BlackBerry Enterprise Server

  Calendar and Contacts

  To synchronize Calendar and Contacts information, you need to install the Samsung PC Studio software to your computer. Connect your phone to your computer with the USB cable and use the Samsung PC Studio software to synchronize.

Installing Software and Driver

Important!: Be sure to install the Samsung PC Studio software first before installing the USB driver.

1. Insert the CD (that comes with your phone) into your computer's CD-ROM drive. The Select Language screen opens.
2. Click **English**. The main installation screen opens.

   Note: Do not exit out of this screen because you will need to go back to this screen to install the USB driver.

3. Click **Install Samsung PC Studio.**
4. Follow the instructions on the screen until you finish. When you have successfully installed the software, the Samsung PC Studio screen opens.
5. Minimize the Samsung PC Studio screen to go back to the main installation screen.
6. Click **Install USB Driver**.
7. Follow the instructions on the screen until you finish installing the USB driver.

Synchronizing with Microsoft Outlook on Your Computer

Note: If you are using BlackBerry Enterprise Server to wirelessly synchronize your phone's Calendar with your corporate email system, then DO NOT use this method to synchronize your phone's Calendar with Microsoft Outlook on your computer.

1. Connect the phone to the computer using the USB cable.
2. Open the Samsung PC Studio software on your computer.
3. Click **Synchronize** to start the synchronization process.
4. Verify that **Phonebook** and **Appointment** check boxes are selected to synchronize data between your phone and your Outlook Contacts and Calendar (on a computer).

   Important!: If you are using BlackBerry Enterprise Server to wirelessly synchronize your Calendar, then DO NOT select **Appointment**.

5. Click **Sync** to perform a two-way synchronization between your phone and your computer.

   You will be prompted to allow access to Microsoft Outlook. Click **Yes** and change the default time to **10 Minutes** to allow enough time to synchronize the contents of your Calendar and Contacts.

Troubleshooting

How do I clear Phonebook settings and start over?

1. In Idle mode, press the **Ph.book** soft key.
2. Highlight **Management** and press the **Select** soft key or OK.
3. Highlight **Delete all** and press the **Select** soft key or OK.
4. Press OK to delete all entries stored in both the phone memory and on the SIM card. You can also select **Phone** or **SIM card** individually.
5. Press the **Delete** soft key or OK.
6. Enter the password.

Note: The password is preset to **00000000**. To change this password, see "Change password" on page 101.

How do I clear my configuration settings and start over?

1. In Idle mode, press the **Menu** soft key.
2. Highlight **Settings** and press the **Select** soft key or OK.
3. Highlight **Reset Settings** and press the **Select** soft key or OK.
4. Press OK to delete all settings. You can also select settings individually.
5. Press the **Reset** soft key or OK.
6. Select **Yes** to confirm reset settings.
7. Enter the password.

Note: The password is preset to **00000000**. To change this password, see "Change password" on page 101.

Important!: Games, ringtones, and wallpapers you have purchased from T-Mobile will NOT be deleted.

How do I clear BlackBerry settings and start over?

1. In Idle mode, press the **Menu** soft key.
2. Highlight **Settings** and press the **Select** soft key or (OK).
3. Highlight **Message settings** and press the **Select** soft key or (OK).
4. Highlight **BlackBerry options** and press the **Select** soft key or (OK).
5. Highlight **Reset BlackBerry data** and press the **Select** soft key or (OK).
6. Press (OK) when you see the message "Resetting BlackBerry will erase all data & settings and phone will reboot."

USB synchronization error "Cannot communicate with device"

Do not run both the Samsung PC Studio and BlackBerry Connect Desktop software at the same time. Close one application and only run one or the other at any given time.

COM port error when starting Samsung PC Studio or BlackBerry Connect Desktop for Samsung

Do not run both the Samsung PC Studio and BlackBerry Connect Desktop for Samsung at the same time. Close one application and only run one or the other at any given time.

Your phone stopped sending and receiving BlackBerry Enterprise Server™ Emails

1. Make sure you are in an area with wireless coverage.
2. In Idle mode, press the **Menu** soft key.
3. Highlight **Settings** and press the **Select** soft key or OK.
4. Highlight **Message settings** and press the **Select** soft key or OK.
5. Highlight **BlackBerry options** and press the **Select** soft key or OK.
6. Highlight **Host routing table** and press the **Select** soft key or OK.
7. Highlight **BlackBerry Enterprise Server** and press the **Options** soft key.
8. Select **Register now**.
9. Use the Samsung BlackBerry Connect Desktop software on your computer to synchronize your phone with your BlackBerry Enterprise Server. This will restore wireless calendar and email synchronization.

Your phone stopped sending and receiving BlackBerry Internet Emails

- **Did you change your hardware?**

  Each t719 has a unique BlackBerry PIN. Follow the steps in "Managing BlackBerry Internet Email" to change your PIN online on page 117.

- **If you do not see on top of the phone screen:**

1. In Idle mode, press the **Menu** soft key.
2. Highlight **Settings** and press the **Select** soft key or OK.

3. Highlight **Message settings** and press the **Select** soft key or OK.
4. Highlight **BlackBerry options** and press the **Select** soft key or OK.
5. Highlight **Host routing table** and press the **Select** soft key or OK.
6. Highlight **BlackBerry Internet Email** and press the **Options** soft key.
7. Select **Register now**.

- **Only five separate BlackBerry Internet Email accounts can be set up on the phone.**

I do not see on top of the phone screen

1. Make sure you are in an area with wireless coverage.
2. In Idle mode, press the **Menu** soft key.
3. Highlight **Settings** and press the **Select** soft key or OK.
4. Highlight **Message settings** and press the **Select** soft key or OK.
5. Highlight **BlackBerry options** and press the **Select** soft key or OK.
6. Highlight **Host routing table** and press the **Select** soft key or OK**.**
   - If you are using BlackBerry Internet Email, press the **Options** soft key, then select **Register now**. Use the Samsung PC Studio to synchronize your calendar and contacts.
   - If you are using a BlackBerry Enterprise Server, press the **Options** soft key, then select **Register now**. Use the BlackBerry Connect Desktop software to synchronize your phone with your BlackBerry Enterprise Server. This will restore wireless calendar and email synchronization.

Calendar is not up-to-date

A maximum of 256 calendar events can be stored on your phone. If your calendar is full, synchronize your phone with Microsoft Outlook again. Old entries are automatically deleted.

- If you are using BlackBerry Internet Email, use the Samsung PC Studio to synchronize your calendar and contacts.
- If you are using BlackBerry Enterprise Server, use the BlackBerry Connect Desktop software to synchronize your phone with your BlackBerry Enterprise Server. This will restore wireless calendar and email synchronization.

Contacts do not appear in Phonebook

- A maximum of 1,000 contacts can be stored on the phone.
- If you are using BlackBerry Internet Email, use the Samsung PC Studio to synchronize your calendar and contacts.
- If you are using BlackBerry Enterprise Server, use the Samsung PC Studio software to synchronize your phone with your contacts.

Note: Contacts do not synchronize wirelessly.

Section 11: Applications

Topics Covered

- Recording Voice Notes
- Using the Calendar
- Using Alarm
- Using File Manager
- Using Calculator
- Playing Games
- Using Voice Recognition
- Viewing World time
- Using a Unit Conversion
- Using the Timer
- Using the Stopwatch
- Setting Up BlackBerry Email Service
- Accessing Get More Help

This section outlines the various applications available on your phone.

Your phone provides you with applications for your convenience and entertainment, such as a voice recorder, calendar, alarm clock, calculator, games, converter, and file manager.

Recording Voice Notes

In this menu, you can record a voice note of up to one minute long. You can also send the voice note by Picture message.

Recording and Saving a Voice Note

When you access this menu, a voice recorder appears on the screen.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Voice notes** and press the **Select** soft key or (OK).
3. Press the **Record** soft key or (OK) to start recording.
4. Record a voice note by speaking into the microphone.

   The voice recorder shows the elapsed time on the left of the progress bar and the maximum recording time on the right.
5. When you are finished, press the **Stop** soft key or the **Down** Navigation key.

   The voice note is saved to your Voice list.
6. Press the **Options** soft key to access the following options:
   - **Send**: allows you to send the voice note.
   - **Play**: plays back the voice note.
   - **Re-record**: discards the Voice note and enables you to record another one.
   - **Set default destination**: allows you to set the default destination. Once a destination is set as a default, the phone will ask you if you want to send the voice note to the destination when you stop recording.
   - **Save**: saves the voice note and continues to the **Send** option.
7. Highlight **Save** and press the **Select** soft key or (OK).

Sending a Voice Note

You can send a voice note immediately after recording it.

1. After recording a voice note, press the **Send** soft key.
2. Highlight one of the following options and press the **Select** soft key or (OK):
   - **Recent log**: allows you to select one of the recipients of your previous messages.
   - **Phonebook**: allows you to select the phone number you want from your Phonebook.
   - **Phone number**: allows you to enter a phone number.
   - **Email address**: allows you to enter an email address.
   - **My Album**: allows you to send the voice note to your online photo album on t-zones.
   - **My Journal**: allows you to send the voice note to your online personal journal on t-zones.
3. Enter or select the destination for your voice note, and it will appear in a **To** field.

   To add another destination, select an empty **To** field and press the **Options** soft key. Repeat from step 2.

   Note: When entering multiple destinations, you can also choose **Group**, **Save to Drafts**, **Change recipient**, and **Back** options in addition to the other send options.

4. When you have finished entering the destinations, press the **Options** soft key, highlight **Send** and press the **Select** soft key or (OK).

Using the Calendar

With the Calendar feature, you can view the calendar by month, week, or day and create appointments.

Accessing the Calendar

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Applications** and press the **Select** soft key or OK.
3. Highlight **Calendar** and press the **Select** soft key or OK.

When you select the **Calendar** menu, the month view will appear showing the current month.

At the bottom of the calendar, the scheduled items icon is displayed along with the number of entries for the selected day.

Press the **Options** soft key to access the following options:

- **View mode**: allows you to select between Day view or Week view of the selected day.
- **Create appointment**: allows you to create an appointment.
- **Go to**: allows you to see the Month view with today's date highlighted or a specified date.

Changing the View Mode

1. From the calendar, press the **Options** soft key.
2. Highlight the **View mode** option and press the **Select** soft key or OK.

3. Highlight a view mode and press the **Select** soft key or OK.

   Depending on which calendar view you are in, the options for the other two views will be displayed. For example, if you are presently in Month view, the available options will be Day view or Week view.

Creating an Appointment

This option allows you to create an appointment.

1. From Month, Week, or Day View, press the **Options** soft key.
2. Highlight the **Create appointment** option and press the **Select** soft key or OK.
3. Enter the subject in the **Subject** text box and press the **Down** Navigation key.

   For more information about entering characters, see "Section 5: How to Enter Text" on page 43.
4. Enter details of the appointment and press the **Down** Navigation key.
5. The **Show time as** box will be highlighted. Use the **Left** or **Right** Navigation key to select one of **Busy**, **Out of Office**, **Free**, or **Tentative**.
6. Press the **Down** Navigation key and select the **All day** option using OK if you want to mark the whole day as busy.
7. Press the **Down** Navigation key to highlight the **Start date** and **Start time** options and enter the starting date and time.
8. Press the **Down** Navigation key and select **AM** or **PM** by using the **Left** or **Right** Navigation key.

9. Press the **Down** Navigation key to highlight the **End date** and **End time** options and enter the ending date and time.
10. Press the **Down** Navigation key and select **AM** or **PM** by using the **Left** or **Right** Navigation key.
11. Press the **Down** Navigation key to highlight **Location** and enter the appointment location.
12. Press the **Down** Navigation key and select **Alarm** by pressing (OK). Set how long before the appointment the alarm is to alert you in the **Before** box and the time unit.
13. Press the **Down** Navigation key and select **Alarm tone** by pressing (OK).
14. Select an alarm tone and press the **Down** Navigation key.
15. The **Timezone** box will be highlighted. Use the **Left** or **Right** Navigation key to select your time zone.
16. Press the **Down** Navigation key and select **Recurrence** by pressing (OK). Set the following recurrence options:
    - **Recurrence pattern**: allows you to set a recurrence pattern.
    - **Every**: allows you to set how often you are alerted to an appointment. For example, when you have set the recurrence pattern to Weekly and set the Every option to "3," you will be alerted to the appointment every 3 weeks until the ending date.
    - **Until date**: allows you to set the ending date for the recurring appointment.
    - **Relative week day**: (only for Weekly) allows you to select the days of the week on which the appointment recurs.

- **Relative day**: (only for Monthly or Yearly) If this option is selected, the starting date is fixed for the relative day and you will be alerted to an appointment on the fixed day every month or every year. For example, when you have scheduled an appointment on the 27th March 2006, or the third wednesday of March, and set the recurrence pattern to Yearly, you will be alerted to the appointment on the third wednesday of March next year.

17. When you are finished, press the **Options** soft key. Highlight **Save** and press the **Select** soft key or OK. Your appointment is saved.

Creating meeting requests

You can use **Calendar** to set up meetings with users of Outlook or Pocket Outlook. The meeting request will be sent automatically either when you synchronize Inbox or when you connect to your BlackBerry email server.

1. From Month, Week, or Day View, press the **Options** soft key.
2. Highlight the **Create appointment** option and press the **Select** soft key or OK.
3. Press the **Options** soft key and press the **Select** soft key or OK.
4. Highlight **Add invitee** and press the **Select** soft key or OK.
5. Repeat from step 3 in "Creating an Appointment" on page 135 to schedule a meeting.
6. When you have finished, press the **Send** soft key.

Editing an Appointment

After you have created an appointment, you can make changes to it.

1. Go to the Day view of an appointment you would like to edit.
2. Highlight the appointment and press (OK). Details of the appointment will appear in the View mode.
3. Press the **Options** soft key, highlight **Edit** and press the **Select** soft key or (OK).
4. Using the **Up** or **Down** Navigation key, select and edit the fields you want.
5. When you are finished, press the **Options** soft key and select the **Save** option.

Deleting an Appointment

After you have created an appointment, you can delete it.

1. Go to the Day view of an appointment you would like to delete.
2. Highlight the appointment and press (OK). Details of the appointment will appear in the View mode.
3. Press the **Options** soft key, highlight **Delete** and press the **Select** soft key or (OK).
4. At the **Delete?** prompt, press the **Yes** soft key to delete the appointment, or press the **No** soft key to cancel.

Using Alarm

The **Alarm** application allows you to:

- set up to three alarms to sound at specified times.
- set the phone to switch on automatically and sound the alarm even if the phone is switched off.

The following options are available:

- **Wake up call**: the alarm sounds to wake you up in the morning.
- **Alarm1**/**Alarm 2**: the alarm sounds at the specified time and date. You can set the day, time, and tone for this alarm.
- **Auto power**: alarms sound at the specified time even if the phone is turned off. If the option is set to **Off** and the phone is switched off at the specified time, the alarm does not sound.

Setting an Alarm

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Applications** and press the **Select** soft key or (OK).
3. Highlight **Alarm** and press the **Select** soft key or (OK).
4. Highlight the type of alarm and press the **Select** soft key or (OK).
5. Highlight the **Alarm** option and press the **Left** or **Right** Navigation key to set to **On**.
6. Press the **Down** Navigation key to highlight the **Alarm time** option. Enter the time for the alarm to sound.

Note: Your phone is preset to a 12-hour format. To change the time format, see "Time & Date Settings" on page 84.

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7. Press the **Down** Navigation key to highlight **AM/PM**. Press the **Left** or **Right** Navigation key to set to **AM** or **PM**.
8. Press the **Down** Navigation key to highlight **Repeat**. Press the **Left** or **Right** Navigation key to select a repeat option.
9. Press the **Down** key to highlight **Alarm tone**. Press (OK) to bring up a list of alarm tone locations.
10. Press the **Up** or **Down** Navigation key to highlight **My sounds** or **Default sounds**. Press the **Select** soft key or (OK).
11. Press the **Up** or **Down** Navigation key to select an alarm tone. Press the **Select** soft key or (OK).
12. Press the **Save** soft key.

Stopping an Alarm

When the time for an alarm comes and the alarm sounds:

- To stop an alarm when it rings, press any key.

  For a wake-up alarm, press the **Confirm** soft key or (OK).

  Press the **Snooze** soft key or any key, except the **Confirm** soft key and (OK), to cause it to sound again after 5 minutes. You can do this a maximum of 5 times.

- To deactivate an alarm setting, access it from the Alarm list and select **Off** in the **Alarm** option.

Using File Manager

The **File manager** menu allows you to manage your sounds, images, videos, and other files in one convenient location.

To access **File manager**:

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Applications** and press the **Select** soft key or OK.
3. Highlight **File manager** and press the **Select** soft key or OK.
4. Highlight a file type and press the **Select** soft key or OK.
5. Highlight a folder or download option and press the **Select** soft key or OK.

Sounds

The **Sounds** menu stores sounds you have recorded, downloaded from the web server, or received in messages. You can set a downloaded sound as the current ringtone.

The following options are available:

Get more MegaTones

Using the **Get more MegaTones** option on the sounds list, you can access the website preset by T-Mobile and download new MegaTones.

Get more HiFi Ringers

Using the **Get more HiFi Ringers** option on the sounds list, you can access the website preset by T-Mobile and download new HiFi Ringers.

My sounds

Highlight an item in the **My sounds** menu and press the **Options** soft key. The following options are available:

- **Download new**: takes you to t-zones where you can download new sounds.
- **Play**: plays back the sound.
- **Send via**: allows you to send the file via Picture message or Bluetooth.
- **Set as**: allows you to set the sound as your ringtone, a caller ringtone, or an alarm tone.
- **Delete**: allows you to delete the selected file or multiple files.
- **Rename**: allows you to change the file name.
- **Share for Bluetooth**: allows the selected file or the files you want to be shared or released for the use of another Bluetooth device.
- **Protection**: allows you to lock the sound to protect it from being deleted.
- **Properties**: displays the sound name, date, format, size, and protection.

Voice list

The Voice list stores voice notes you have recorded. Highlight an item in the **Voice list** menu and press the **Options** soft key. The following options are available:

- **Play**: plays back the voice note.
- **Send via**: allows you to send the file via Picture message or Bluetooth.

- **Delete**: allows you to delete the selected file or multiple files.
- **Rename**: allows you to change the file name.
- **Share for Bluetooth**: allows the selected file or the files you want to be shared or released for the use of another Bluetooth device.
- **Protection**: allows you to lock the file to protect it from being deleted.
- **Properties**: displays the file name, date, format, length, size, and protection status.

Images

The **Images** menu stores images you have taken, downloaded from the web server, or received in messages. You can set a downloaded image as your wallpaper.

The following options are available:

Get more wallpapers

Using the **Get more wallpapers** option, you can access the website preset by T-Mobile and download new wallpapers.

My Album

This folder provides the ability for you to view the photos you have stored in your online photo album on t-zones. Use the following procedures to access **My Album**.

1. In your t-zones browser, select the **My Albums Menu** link and press the **Select** soft key or OK.
2. Photos sent to this folder are stored in the **Inbox Album**. Press the **Select** soft key to view the photos.
3. Press the key to exit t-zones and return to the idle screen.

My Journal

This folder provides the ability for you to store your photos in your online personal journal on t-zones.

My downloads

This folder allows you to access your downloaded images.

Highlight an image and press the **Options** soft key. The following options are available:

- **Download new**: takes you to t-zones where you can download new images.
- **View**: displays the image.
- **Send via**: allows you to send the file via Picture message or Bluetooth.
- **Set as**: allows you to set the image as a caller ID or as your wallpaper.
- **Delete**: allows you to delete the selected file or multiple files.
- **Rename**: allows you to change the file name.
- **Display mode**: allows you to display your images in Line view or in Thumbnail view.
- **Slide show**: allows you to see all files in a slide show presentation.
- **Share for Bluetooth**: allows the selected file or the files you want to be shared or released for the use of another Bluetooth device.
- **Protection**: allows you to lock the file to protect it from being deleted.

- **Properties**: displays the file name, date, format, size, resolution, and protection status.

My photos

In this folder, you can review photos you have taken. Highlight a photo and press the **Options** soft key to access the following options:

- **View**: displays the photo.
- **Send to My Album**: allows you to send the photo to **My Album**.
- **Send via**: allows you to send the file via Picture message or Bluetooth.
- **Default destination:** allows you to remove or replace the default destination.
- **Set as**: allows you to set the image as a caller ID or as your wallpaper.
- **Delete**: allows you to delete the selected file or multiple files.
- **Rename**: allows you to change the file name.
- **Display mode**: allows you to display your images in Line view or in Thumbnail view.
- **Slide show**: allows you to see all of your photos in a slide show presentation.
- **Share for Bluetooth**: allows the selected file or the files you want to be shared or released for the use of another Bluetooth device.
- **Protection**: allows you to lock the file to protect it from being deleted.
- **Properties**: displays the file name, date, format, size, resolution, quality, and protection status.

Videos

The **Videos** menu stores videos you have recorded, downloaded from the web server, or received in messages. The following options are available:

Downloaded videos

This folder allows you to access your downloaded video clips.

Highlight a video and press the **Options** soft key. The following options are available:

- **Play**: plays the video clip.
- **Send via**: allows you to send the file via Picture message or Bluetooth.
- **Delete**: allows you to delete the selected file or multiple files.
- **Rename**: allows you to change the file name.
- **Display mode**: allows you to display your videos in a Line view or in Thumbnail view.
- **Share for Bluetooth**: allows the selected file or the files you want to be shared or released for the use of another Bluetooth device.
- **Protection**: allows you to lock the file to protect it from being deleted.
- **Properties**: displays the file name, date, format, size, and protection status.

My videos

In this folder, you can review videos you have recorded.

Highlight a video and press the **Options** soft key to access the following options:

- **Play**: plays back the video clip.
- **Send via**: allows you to send the file via Picture message or Bluetooth.
- **Delete**: allows you to delete the selected file or multiple files.
- **Rename**: allows you to change the file name.
- **Display mode**: allows you to display your videos in Line view or in Thumbnail view.
- **Share for Bluetooth**: allows the selected file or the files you want to be shared or released for the use of another Bluetooth device.
- **Protection**: allows you to lock the file to protect it from being deleted.
- **Properties**: displays the file name, date, format, size, resolution, quality, and protection status.

Other files

This menu allows you to view other types of files that you have stored on your phone. This includes Excel spreadsheets, text files, WMF files, PowerPoint presentations, PDFs, MHTML, and Word documents. You can send these files by picture message or Bluetooth.

Memory status

You can check the amount of memory in use and memory remaining for sounds, images, videos, and other files. Select an option and press the **Left** or **Right** Navigation key to toggle between size and count.

Using Calculator

With this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Applications** and press the **Select** soft key or (OK).
3. Highlight **Calculator** and press the **Select** soft key or (OK).
4. Enter the first number using the number keys.
5. Enter the operation for your calculation by pressing the Navigation keys:
   - **Left**: subtraction (-)
   - **Right**: addition (+)
   - **Up**: multiplication (x)
   - **Down**: division (÷)
6. If necessary, press the Left soft key to insert a decimal point or brackets.
7. Enter the second number.
8. Press (OK) to view the result.
9. Repeat from step 5 to continue the calculation.

Playing Games

You can download MIDlets (Java applications that run on mobile phones) from various sources using t-zones and store them in your phone.

Note: Java services may not be available, depending on your service provider.

Playing a Game

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Applications** and press the **Select** soft key or (OK).
3. Highlight **Games** and press the **Select** soft key or (OK).
4. Highlight **My games** and press (OK).
   The list of the embedded games appears. Once you have downloaded games, they are added to the My games list.
5. Scroll to the MIDlet you want and press (OK). The startup screen of the MIDlet will be displayed along with game options.
6. Press (OK) or any key to access the option list, if necessary.
7. Use the Navigation keys to scroll between options. Press (OK) to make a selection.

Note: MIDlet game options will differ depending on the MIDlet you select.

Downloading a Game

To download more games from the website preset by T-Mobile, highlight **Get more games** from the Games list and press (OK). After connecting to the game website, download games by following the instructions on the screen.

Using Voice Recognition

VoiceSignal is an advanced speech recognition software that can be used to activate a wide-variety of functions on your phone. VoiceSignal software automatically voice activates all contacts for voice dialing and searching, no pre-recording or training needed. Speak phone numbers naturally to dial, and use voice commands to launch applications and navigate phone menus.

VoiceSignal Options

The following is a list of functions that you can perform using VoiceSignal speech recognition on your phone.

- **Call <Name or #>**: dials by saying either a name or a number in the Contacts list.
- **Send text <Name>**: sends a text message to a number or to someone in your Contacts List.
- **Lookup <Name>**: opens the contact record for any name in the Contacts list.
- **Go to <App>**: opens any application installed on your device.
- **Check <Item>**: provides the details of your network coverage, signal strength, and battery power level.

Digit Dialing

Digit Dial allows you to dial any phone number by simply speaking the digits into the phone. No training is necessary, and Digit Dial is programmed to understand natural speech.

1. In Idle mode, select the VoiceSignal shortcut (**Right** Navigation key). You can also select **Voice recognition** from the **Utilities** menu in **Applications**.

2. After a brief pause, a list of optional commands appears on the display and the audio prompt “Say a command” plays through the earpiece.
3. Say “Call” and the area code and number that you want to dial at a distance of 3-12 inches from the phone in a natural voice.
4. If VoiceSignal is not sure of the number that you said, a list of possible matches appears on the display. You are asked to confirm the correct number as VoiceSignal displays the results. Say “Yes” or “No” to confirm or reject the number when prompted.

   The number that you said is repeated through the earpiece then your phone will dial the number.

Name Dialing

To use Name Dial, you’ll need to have entries stored in your Phonebook. See ‘Section 6: Phonebook” on page 49 for information on creating Phonebook entries.

1. In Idle mode, select the VoiceSignal shortcut (**Right** Navigation key). You can also select **Voice recognition** from the **Utilities** menu in **Applications**.
2. After a brief pause, a list of optional commands appears on the display and the audio prompt “Say a command” plays through the earpiece.
3. Say “Call” and the name of the contact that you want to dial.

   The name that you said is repeated through the earpiece and your phone dials the number.

4. If VoiceSignal is not sure of the name that you said, a list of possible matches appears on the display. You are asked to confirm the correct number as VoiceSignal displays the results. Say "Yes" or "No" to confirm or reject the number when prompted.

   The number that you said is repeated through the earpiece then your phone will dial the number.

Sending a Text Message

1. In Idle mode, select the VoiceSignal shortcut (**Right** Navigation key). You can also select **Voice recognition** from the **Utilities** menu in **Applications**.
2. A list of commands appears on the display and the audio prompt "Say a command" plays through the earpiece.
3. Say "Send Text" at a distance of 3-12 inches from the microphone. "Say the Name or Number" plays through the earpiece.
4. After you say a name or number, you might be prompted, "Did you say?" To confirm a name or number, wait for the beep and then say "Yes."

   You can also choose the correct name or number from the choice list using the Navigation keys.
5. When a new text message screen is launched, compose and send a text message. For further information, see "Composing and Sending a Text Message" on page 63.

Looking Up a Name

To perform a name lookup, you'll need to have some entries in the Contacts list.

1. In Idle mode, select the VoiceSignal shortcut (**Right** Navigation key). You can also select **Voice recognition** from the **Utilities** menu in **Applications**.
2. A list of commands appears on the display and the audio prompt "Say a command" plays through the earpiece.
3. Say "Lookup" at a distance of 3-12 inches from the microphone. "Say the name" plays through the earpiece.
4. Say the name exactly as it is displayed in your Contacts list, first name followed by last name.

   The contact name appears on the display with other information that you've entered for that contact.

Opening Applications

You can open an application or access a menu on your phone using VoiceSignal.

1. In Idle mode, select the VoiceSignal shortcut (**Right** Navigation key). You can also select **Voice recognition** from the **Utilities** menu in **Applications**.
2. A list of commands appears on the display and the audio prompt "Say a command" plays through the earpiece.
3. Say "Go To" at a distance of 3-12 inches from the microphone. A list of options appears and the audio prompt "Please choose" plays through the earpiece. If the option you desire is not listed, say "Next Menu" to scroll to the next page.

   The menu option spoken opens.

Checking Phone Status

Use the Check command to see and hear status information from your phone, including its phone number, status, current signal strength, network coverage, and battery level.

To check phone status:

1. In Idle mode, select the VoiceSignal shortcut (**Right** Navigation key). You can also select **Voice recognition** from the **Utilities** menu in **Applications**.
2. A list of commands appears on the display and the audio prompt "Say a command" plays through the earpiece.
3. Say "Check" at a distance of 3-12 inches from the microphone. A list of options appears and the audio prompt "Please choose" plays through the earpiece.

   The phone status menu option spoken is displayed.

Viewing World time

You can find out the current time in another part of the world.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Applications** and press the **Select** soft key or (OK).
3. Highlight **Utilities** and press the **Select** soft key or (OK).
4. Highlight **World time** and press the **Select** soft key or (OK).
5. Scroll through time zones by pressing the **Left** and **Right** Navigation keys.

   As the time line moves, the time and date of the given zone display.

6. Press the **Options** soft key to access the following options:
   - **Save**: saves your world time settings.
   - **Set daylight saving time**: use OK to place a check mark next to the cities that you want to set daylight saving time. Each city listed represents a time zone.

Using a Unit Conversion

The **Unit conversion** menu provides the following conversion categories:

- Currency
- Length
- Weight
- Volume
- Area
- Temperature

To convert any of the above categories, do the following:

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Applications** and press the **Select** soft key or OK.
3. Highlight **Utilities** and press the **Select** soft key or OK.
4. Highlight **Unit conversion** and press the **Select** soft key or OK.
5. Scroll to the conversion feature you wish to use and press the **Select** soft key or OK. Then press the **Down** Navigation key.
6. Press the **Left** or **Right** Navigation key to select the original unit in the From field.

7. Enter the quantity to be converted in the text box and press the **Down** Navigation key.

Note: To include a decimal point, press * . To change the temperature to above zero (+) or below zero (-) in the Temperature converter, press #.

8. Press the **Left** or **Right** Navigation key to select the unit to which you want to convert.

   The converted number will be displayed.

Note: For the currency converter, you can view and set currency rates by pressing <**Option**>.

Using the Timer

You can set a timer to alert you when a specified period of time passes. Note that running a timer drains the battery power faster.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Applications** and press the **Select** soft key or OK.
3. Highlight **Utilities** and press the **Select** soft key or OK.
4. Highlight **Timer** and press the **Select** soft key or OK.
5. Press the **Set** soft key and enter the length of time. Press the **OK** soft key or OK.
6. Press OK to start the timer. You can use other functions, while the timer is running in the background.
7. Press OK or the **Exit** soft key to stop the timer when it rings.

Using the Stopwatch

You can use a stopwatch to check the elapsed time.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Applications** and press the **Select** soft key or OK.
3. Highlight **Utilities** and press the **Select** soft key or OK.
4. Highlight **Stopwatch** and press the **Select** soft key or OK.
5. Press OK to start the stopwatch.
6. Press OK for the lap time. You can have up to 4 lap times.
7. Press the **Reset** soft key to erase all stopwatch times recorded.

Setting Up BlackBerry Email Service

There are two kinds of BlackBerry email services: BlackBerry Enterprise Server and BlackBerry Internet Email Service. You can set up your email accounts for BlackBerry.

Note: This menu may be labeled differently, depending on your network. For example, Setup T-Mobile Prosumer BlackBerry Service.

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1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Applications** and press the **Select** soft key or OK.
3. Highlight **Setup BlackBerry Internet email account** and press the **Select** soft key or OK.
4. Press the **Setup** soft key or OK.
5. Follow the further screen instructions. These instructions may vary depending on the type of services or operators you are using.

Accessing Get More Help

Get More Help is designed to show you some of the features of your phone using t-zones. You can search help files on the fly while traveling, at home or anywhere, using help.wap.t-mobile.com.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Get More Help** and press the **Select** soft key or (OK).
3. You will enter t-zones and the **Get More Help** menu will be displayed.

   The following options are available:

   - **Browse Help Topics**: this option gives you a list of different topics that you can select.
   - **Enter a Search**: this option allows you to enter a keyword to search on.
   - **About**: this option offers general information about Get More Help including concept and site design, copyright information, and contact email address.

Section 12: Camera and Camcorder

Topics Covered

- Taking a Photo
- Recording a Video
- Accessing Photos or Videos

This section explains how to use the camera and camcorder on your phone. You can take photos and record video clips using the built-in camera and camcorder.

Using the camera-camcorder module in your phone, you can take photos or record video clips of people or events while on the move. Additionally, you can send photos and video clips to other people in a Picture message or set them as a wallpaper or caller ID image.

Notes:
Do not take photos or record videos of people without their permission.
Do not take photos or record videos in places where cameras are not allowed.
Do not take photos or record videos in places where you may interfere with another person's privacy.

Taking a Photo

You can take a photo in various modes. Your camera produces photos in JPEG format.

Note: When you take a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

1. In Idle mode, press the **Up** Navigation key to turn on the camera and switch the phone to Camera mode.

   You can also press the **Menu** soft key to access Menu mode, highlight **Camera**, and press the **Select** soft key or OK to enter the menu. Highlight **Take and send** and press the **Select** soft key or OK.
2. Make any desired adjustments.
   - Press the Left soft key to access camera options. For details, see "Using Camera Options" on page 161.
   - You can also use the keypad to quickly change the camera options. For details, see "Camera shortcuts" on page 162.
3. Press OK or press and hold 5 to take a photo. **Send to My Album?** is displayed.
4. Press the **Yes** soft key or OK if you want to send the photo to **My Album**, an online photo album provided by T-Mobile. The phone's default destination is set to **My Album**. The photo is automatically saved in **My photos** in the phone.

Note: To change the default destination for your pictures, press the **Options** soft key when **Send to My Album?** appears on the display. Highlight the **Default destination** option and press the **Select** soft key or OK. You can then remove your default destination or change it to a phone number, email address, Recent log, Phonebook, My Album, or My Journal.

To use the photo options, press the **Options** soft key.

To return to Capture mode, press C.

To return to Idle mode, press the key.

Using Camera Options

In Camera mode, you can use various options for the camera by pressing the Left soft key.

The following options are available:

- **Record video**: switches from Camera mode to Camcorder mode.
- **Shooting mode**: allows you to take a photo in various modes. Once you change the mode, the corresponding indicator appears at the top left of the display. The following modes are available:

  Single shot: allows you to take a photo in the normal mode. Select whether or not the camera automatically saves a photo.

  Multi shot: allows you to take a series of action stills. Select the shooting speed and the number of photos the camera will take. When you press OK, the camera takes photos successively.

  Mosaic shot: allows you to take several photos to combine in a mosaic.Select the image layout and set whether or not the photos will be taken automatically.

- **Effects**: allows you to change the color tone or apply special effects to the photo.
- **Frames**: allows you to select a decorative frame. Select a frame using the Navigation keys and press OK to save your setting.
- **Flash**: allows you to set the flash option to **Off**, **Shooting only**, or **Permanent**. To use the flash for taking photos, select **Shooting only**. By setting the option to **Permanent**, you can use your phone as a flashlight if needed.
- **Timer**: allows you to set a time delay before the camera takes the photo. Select the length of delay you want. When you press OK or press and hold 8, the camera takes a photo after the specified time has elapsed.

- **Go to My photos**: takes you to the **My photos** folder.
- **Settings**: allows you to change the camera settings.

  Size: allows you to set the image size.

  Viewfinder: allows you to set the viewfinder to Full screen view or Standard ratio.

  Shutter sound: allows you to select a tone for the shutter sound. Choose between 4 tones.

  Zoom sound: allows you to turn zoom sound on or off.

  Brightness sound: allows you to turn brightness sound on or off.

  Default name: allows you to change the default prefix assigned to your photos.
- **Camera shortcuts**: shows you how to change options using your keypad in Capture mode. The following shortcuts are available:

  Right and **Left** Navigation keys zoom in and out.

  Up and **Down** Navigation keys adjust the brightness.

  Up Volume key flips the image vertically.

  Down Volume key shows the mirror image.

  switches between Camera mode and Camcorder mode.

  changes the image size.

  changes the camera shot mode.

  changes the color tone or applies a special effect to a photo.

  selects a decorative frame.

  sets a time delay.

takes you to the **My photos** folder.

changes the preview screen.

determines the use of the flash.

Recording a Video

Your camcorder produces videos in 3GP format.

1. In Idle mode, press the **Up** Navigation key to turn on the camera and press to switch to Camcorder mode.

   You can also press the **Menu** soft key to access Menu mode, highlight **Camera**, and press the **Select** soft key or to enter the menu. Highlight **Record video** and press the **Select** soft key or .
2. Make any desired adjustments.
   - Press the Left soft key to access camcorder options. For details, see “Using Camcorder Options” on page 164.
   - You can also use the keypad to quickly change the camcorder options. For details, see “Camcorder shortcuts” on page 165.
3. Press or press and hold to start recording.
4. When you have finished, press , the Right soft key, or to stop recording. The video clip is automatically saved in the **My videos** folder.
5. To play back the video, press .

   To access video options, press the **Options** soft key.

   To return to Camcorder mode, press or the **Preview** soft key.

   To return to Idle mode, press the key.

Using Camcorder Options

In Camcorder mode, you can use various options for the camcorder by pressing the Left soft key.

The following options are available:

- **Take picture**: switches from Camcorder mode to Camera mode.
- **Effects**: allows you to change the color tone or apply special effects.
- **Flash**: allows you to set the flash option to **Off**, **Shooting only**, or **Permanent**. To use the flash for recording videos, select **Shooting only**. By setting the option to **Permanent**, you can use your phone as a flashlight if needed.
- **Timer**: allows you to set a time delay before the camcorder records the video clip. Select the length of delay you want. When you press OK, or press and hold 5, the camcorder records the video after the specified time has elapsed.
- **Go to My videos**: takes you to the **My videos** folder.
- **Settings**: allows you to change the recording settings.

  Recording mode: allows you to change the recording mode. The maximum recording time is determined by this setting. Select **Limit for message** to record a video for sending it in a message.

  Size: allows you to set the image size to either QCIF(176x144), or Sub-QCIF(128x96). The selected image size displays on the capture screen.

  Viewfinder: allows you to set the viewfinder to Full screen view or Standard ratio.

Audio record: allows you to be able to record audio with your video. Set to **On** or **Off**.

Default name: allows you to change the default prefix assigned to your videos.

- **Camcorder shortcuts**: shows you how to change options using your keypad in Capture mode. The following shortcuts are available:

Right and **Left** Navigation keys zoom in and out.

Up and **Down** Navigation keys adjust the image brightness.

Up volume key flips the image vertically.

Down volume key shows a mirror image.

switches between Camera mode and Camcorder mode.

changes the image size.

changes the recording mode.

changes the color tone or applies a special effect.

turns audio on or off.

sets a time delay.

takes you to the **My videos** folder.

changes the preview screen.

determines the use of the flash.

Accessing Photos or Videos

Your phone provides you with the following folders for storing your photos and videos, where you can access and manage the photos and videos.

My Photos

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Using the Navigation keys, scroll to **Camera**. Press the **Select** soft key or OK to enter the menu.
3. Highlight **My photos** and press the **Select** soft key or OK.

   When you access this menu, your phone displays the photos in Thumbnail mode, which shows them as small images. Use the **Up** or **Down** Navigation key to scroll through the photos.
4. To view the photos on a full screen, press OK. To go back to Thumbnail mode, press the **Back** soft key or C.
5. Press the **Left** and **Right** Navigation keys to scroll through your photos.

Using My Photos Options

From the **My photos** folder, press the **Options** soft key to access the following options:

- **View**: displays the photo.
- **Send to My Album**: allows you to send the file to **My Album**, an online photo album on t-zones.
- **Send via**: allows you to send the file via Picture message or Bluetooth.
- **Default destination**: allows you to remove or replace the default destination.

- **Set as**: allows you to set the photo as your wallpaper or as a caller ID.
- **Delete**: allows you to delete the selected file or multiple files.
- **Rename**: allows you to change the file name.
- **Display mode**: allows you to display your photos in Line view or in Thumbnail view.
- **Slide show**: allows you to see all of your photos in a slide show presentation.
- **Share for Bluetooth**: allows the selected file or the files you want to be shared or released for the use of another Bluetooth device.
- **Protection**: allows you to protect the file from being deleted.
- **Properties**: shows the properties of the photo, such as the file name, file date, file format, file size, image resolution, image quality, and protection status.

Deleting a Photo

You can delete photos one by one or all at once.

1. From the **My photos** folder, select the photo you want to delete and press the **Options** soft key.
2. Highlight **Delete** and press the **Select** soft key or (OK).
3. Highlight **Selected** and press the **Select** soft key or (OK).

   Highlight **Multiple** to delete multiple photos and press the **Select** soft key or (OK).
4. Press the **Yes** soft key to confirm the deletion.

My Videos

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Using the Navigation keys, scroll to **Camera**. Press the **Select** soft key or OK to enter the menu.
3. Highlight **My videos** and press the **Select** soft key or OK.

   When you access this menu, your phone displays the video clips in Thumbnail mode, which shows them as small images. Use the **Up** or **Down** Navigation key to scroll through the video clips.
4. To view the video clips, press OK.

Using My Videos Options

From the **My videos** folder, press the **Options** soft key to access the following options:

- **Play**: plays back the video.
- **Send via**: allows you to send the file via Picture message or Bluetooth.
- **Delete**: allows you to delete the selected file or multiple files.
- **Rename**: allows you to change the file name.
- **Display mode**: allows you to display your videos in Line view or in Thumbnail view.
- **Share for Bluetooth**: allows the selected file or the files you want to be shared or released for the use of another Bluetooth device.
- **Protection**: allows you to protect the file from being deleted.
- **Properties**: shows the properties of the file, such as the file name, file date, file format, file size, image resolution, image quality, and protection status.

Deleting a Video Clip

You can delete video clips one by one or all at one time.

1. From the **My videos** menu, highlight the video you want to delete and press the **Options** soft key.
2. Highlight **Delete** and press the **Select** soft key or OK.
3. Highlight **Selected** and press the **Select** soft key or OK.

   Highlight **Multiple** to delete multiple videos and press the **Select** soft key or OK.
4. Press the **Yes** soft key to confirm the deletion.

My Album

This menu provides the ability for you to view the photos you have stored on your online photo album on t-zones.

My Journal

This menu provides the ability for you to view the photos you have stored on your online personal journal on t-zones.

Section 13: t-zones

Topics Covered

- Accessing the Homepage of t-zones
- Using Favorites
- Accessing a Website by Entering a URL address
- Clearing the Cache

This section outlines the t-zones service, a web-based service provided by T-Mobile. For more information about the service, contact T-Mobile.

You can access t-zones by using a WAP (Wireless Application Protocol) browser equipped on your phone to allow you to access and navigate the wireless web.

Accessing the Homepage of t-zones

To access t-zones, proceed with the following:

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Using the Navigation keys, highlight **t-zones**. Press the **Select** soft key or (OK) to enter the menu.

3. Highlight **Home** and press the **Select** soft key or OK.

Note: You can access t-zones without going through the **t-zones** menu by simply pressing OK while in Idle mode.

The phone launches the web browser, connects to the network and loads the homepage of t-zones.

The content of the t-zones startup homepage depends on your Wireless Web service provider. To scroll through the screen, use the **Up** and **Down** Navigation keys.

To go to the startup homepage from any other screen in the t-zones, use the **Home** option. For more information on the t-zones menus, see "Selecting and Using Menu Options" on page 173.

Exiting the t-zones

To exit the browser at any time, simply press the key.

Navigating the t-zones

- To scroll through browser items, press the **Up** or **Down** Navigation key.
- To select browser items, press OK. You can also press the **Options** soft key, highlight **Select**, and press the **OK** soft key.
- To return to the previous page, press C. You can also press the **Options** soft key, highlight **Back**, and press the **OK** soft key.
- To return to the startup homepage, press the **Menu** soft key. Highlight **Home** and press the **Select** soft key.

Entering Text in t-zones

When you are prompted to enter text, the currently active text input mode is indicated on the screen. The following modes are available:

- **Upper-case character mode (A)**: allows you to enter upper-case English characters.
- **Lower-case character mode (a)**: allows you to enter lower-case English characters.

Note: You can switch between upper-case or lower-case character mode by pressing #.

- **Number mode (1)**: allows you to enter numbers.

Note: To enter numbers, press ALT, and then the desired number key.

- **Symbol mode**: allows you to enter symbols.

Note: To enter symbols, press ALT and then SYM Z X.

Selecting and Using Menu Options

Various menus are available when you are navigating the wireless web.

To access the browser options menu, press the **Menu** soft key.

Note: The menu options may vary, depending on your version of t-zones.

The following options are available:

- **Favorites**: shows the bookmark lists. You can bookmark the current web page or access previously bookmarked pages.

- **Reload**: reloads the current page.
- **Home**: takes you back at any time to the homepage of the Wireless Web service provider.
- **Go to URL**: allows you to manually enter a URL address of a web page. After entering an address, press OK to access directly.
- **Show URL**: displays the URL address of the web page to which you are currently connected. It also enables you to set the current site as a startup homepage.
- **Clear cache**: allows you to clear information stored in the phone's temporary memory which stores the most recently accessed web pages.
- **Inbox**: takes you to your message Inbox.
- **Show images**: allows you to view images on the web page.
- **Certificates**: allows you to view Internet certificates.
- **Text Message**: allows you to create a text message.

Using Favorites

This menu stores up to 15 URL addresses in order to quickly access the corresponding websites.

To store a URL address:

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Using the Navigation keys, highlight **t-zones**. Press the **Select** soft key or OK to enter the menu.
3. Highlight **Favorites** and press the **Select** soft key or OK.

4. Scroll to an empty location and press the **Select** soft key or OK.
5. Enter a name for the favorite item in the name text box and press the **Down** Navigation key.
6. Enter the address in the URL text box and press the **Save** soft key.

Note: For further details about how to enter characters, see "Section 5: How to Enter Text" on page 43.

After saving a favorite item, press the **Options** soft key to access the following options:

- **Go to URL**: takes you to the bookmarked web page.
- **Edit**: allows you to edit the name and address of the bookmark.
- **Delete**: allows you to delete the selected bookmark or all bookmarks.

Otherwise, you can directly access a website by selecting a favorite item from the list.

Accessing a Website by Entering a URL address

You can manually enter the URL address of a website that you want to access.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **t-zones** and press the **Select** soft key or OK.
3. Highlight **Go to URL** and press the **Select** soft key or OK.
4. Enter the URL address you want and press the **Enter** soft key to access the corresponding website.

Clearing the Cache

You can clear information stored in the cache. The cache is a temporary memory site that stores recently accessed web pages.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **t-zones** and press the **Select** soft key or OK.
3. Highlight **Clear cache** and press the **Select** soft key or OK.
4. At the **Clear cache?** prompt, press the **Yes** soft key to confirm the deletion. Otherwise, press the **No** soft key.

Section 14: Health and Safety Information

Topics Covered

- Exposure to Radio Frequency (RF) Signals
- Consumer Information on Wireless Phones
- Road Safety
- Operating Environment
- Using Your Phone Near Other Electronic Devices
- Potentially Explosive Environments
- Emergency Calls
- FCC Notice and Cautions
- Other Important Safety Information
- Product Performance
- Availability of Various Features/Ring Tones
- Battery Standby and Talk Time
- Battery Precautions
- Care and Maintenance

This section outlines the safety precautions associated with using your phone. These safety precautions should be followed to safely use your phone.

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Counsel on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

- Head: 1.44 W/Kg.
- Body-worn: 1.44 W/Kg.

SAR information on this and other model phones can be viewed on-line at www.fcc.gov/oet/fccid. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number (A3LSGHT719) for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

Consumer Information on Wireless Phones

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low

level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the primary subject of the safety questions discussed in this document.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike "hands-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard

specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations:

- FCC RF Safety Program:
  http://www.fcc.gov/oet/rfsafety/
- Environmental Protection Agency (EPA):
  http://www.epa.gov/radiation/
- Occupational Safety and Health Administration's (OSHA):
  http://www.osha.gov/SLTC/radiofrequencyradiation/index.html
- National institute for Occupational Safety and Health (NIOSH):
  http://www.cdc.gov/niosh/topics/emf
- World health Organization (WHO):
  http://www.who.int/peh-emf/
- International Commission on Non-Ionizing Radiation Protection:
  http://www.icnirp.de
- National Radiation Protection Board (UK):
  http://www.nrpb.org.uk
- Updated 4/3/2002: US Food and Drug Administration
  http://www.fda.gov/cellphones

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.

7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

"The wireless industry reminds you to use your phone safely when driving."

For more information, please call 1-888-901-SAFE, or visit our web-site www.wow-com.com

Provided by the Cellular Telecommunications & Internet Association.

Operating Environment

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and

for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder if you are using an external antenna).

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker.

These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on.
- should not carry the phone in a breast pocket.
- should use the ear opposite the pacemaker to minimize potential interference.

If you have any reason to suspect that interference is taking place, switch your phone off immediately.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your phone off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
3. Press .

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Restricting Children's access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

FCC Notice and Cautions

FCC Notice

Notes:

The device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Battery march Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Changes or modifications made in the radio phone, not expressly approved by Samsung, will void the user's authority to operate the equipment.

Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone. Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.

- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- If your phone is equipped with an external antenna, hold the phone with the antenna raised, fully-extended and over your shoulder.
- Do not hold, bend or twist the phone's antenna, if applicable.
- Do not use the phone if the antenna is damaged.
- If your phone is equipped with an internal antenna, obstructing the internal antenna could inhibit call performance.
- Speak directly into the phone's receiver.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and/or usage charges. Not all features are available for purchase or use in all areas. Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

- Avoid dropping the cell phone. Dropping it, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Follow battery usage, storage and charging guidelines found in the user's guide.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.

- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Do not use incompatible cell phone batteries and chargers. Some website and second-hand dealers, not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not place the phone in areas that may get very hot, such as on or near a cooking surface, cooking appliance, iron, or radiator.
- Do not get your phone or battery wet. Even though they will dry and appear to operate normally, the circuitry could slowly corrode and pose a safety hazard.

- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Do not permit a battery out of the phone to come in contact with metal objects, such as coins, keys or jewelry.
- Do not crush, puncture or put a high degree of pressure on the battery as this can cause an internal short-circuit, resulting in overheating.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.

- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- If your phone is equipped with an external antenna, use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Section 15: Warranty Information

Topics Covered

- Standard Limited Warranty

Standard Limited Warranty

What is Covered and For How Long? SAMSUNG

TELECOMMUNICATIONS AMERICA, L.P. ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's Phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case/ Pouch	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in conjunction with

accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of Product, or (g) Product used or purchased outside the United States or Canada. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced leather cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

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Section 16: RIM Legal Disclaimer and Safety Information

Topics Covered

- Legal Disclaimer
- Safety Information

Legal Disclaimer

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Safety Information

Driving

Check the laws and regulations on the use of wireless devices in the areas where you drive. Always obey them. Also, if using SGH-t719 in your car, please use the following minimum guidelines:

- Give your full attention to driving; driving safely is your first responsibility.
- Use hands-free operation, if it is available.email
- Pull off the road and park before using SGH-t719.

Avoid using BlackBerry Connect on SGH-t719 in any environment requiring your full attention, such as when driving a vehicle. If you need to use BlackBerry Connect while driving, have a passenger in the vehicle use the program for you, or find a safe location to stop your vehicle before using the program.

Liquids and other foreign objects

Do not use BlackBerry Connect on SGH-t719 when you are near water (for example, near a bathtub or a sink, in a wet basement, or near a swimming pool).

High heat

Do not use BlackBerry Connect on SGH-t719 when you are near any heat sources, such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Aircraft safety

On an airplane, do not use SGH-t719 with the wireless radio or Bluetooth® radio turned on. Federal Aviation Administration (FAA) and Federal Communications Commission (FCC) regulations prohibit using the wireless radio of SGH-t719 while in the air. Switch SGH-t719's wireless radio and Bluetooth radio off before boarding the aircraft. The effect of the use of SGH-t719's wireless radio or Bluetooth radio in an aircraft is unknown. Such use might affect aircraft instrumentation, communication, and performance; might disrupt the network; might otherwise be dangerous to the operation of the aircraft; and might be illegal.

Electronic devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, electronic equipment might not be shielded against the RF signals from your wireless device.

Pacemakers

Consult a physician or the manufacturer of your pacemaker if you have any questions regarding the effect of RF signals on your pacemaker. If you have a pacemaker, verify that you are using SGH-t719 in accordance with the safety requirements associated with your particular pacemaker, which might include the following:

- Always keep SGH-t719 more than 20 cm (7 inches) from the pacemaker when SGH-t719's wireless radio is turned on.
- Do not carry SGH-t719 in a breast pocket.
- If you have any reason to suspect that interference is taking place, turn SGH-t719's wireless radio and the Bluetooth radio off immediately.

Hearing aids

Some digital wireless devices might interfere with some hearing aids. In the event of such interferences, consult your service provider or contact the manufacturer of your hearing aid to discuss alternatives.

Other medical devices

If you use any other personal medical device, consult the manufacturer of SGH-t719 to determine if it is adequately shielded from external RF energy. Your physician might be able to assist you in obtaining this information.

Turn SGH-t719's wireless radio and Bluetooth radio off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities might be using equipment that could be sensitive to external RF energy.

Posted facilities

Turn SGH-t719 wireless radio and Bluetooth radio off in any facility where posted notices so require.

Index

A

Accessing a menu function 39
Alarms 139
Anykey answer 86
Applications 131
Auto redial 85

B

Backlight
- Description 21
- Settings 88

Battery
- Charging 11
- Low indicator 12

BlackBerry email account, setup 113
Bluetooth
- Features 99
- Phone name 99
- Searching for devices 98
- Security modes 99
- Turning Bluetooth on and off 98
- Visibility 98

Broadcast messages 78

C

Calculator 148
Calendar 134
Call barring 94
Call functions
- Adjusting the call volume 25
- Answering a call 26
- Call records 27
- Correcting the number 24
- Making a call 23
- Making a call from Phonebook 25
- Redialing last number 24

Call records
- All calls 27
- Call time 29
- Delete all 29
- Incoming calls 29
- Missed calls 28
- Outgoing calls 29

Call time 29
Call waiting 95
Caller group 56
Caller ID 97
Camcorder
- Recording a video 163
- Viewing a video 168

Camera
- Taking a photo 159
- Viewing a photo 166

Change password 101
Charging battery 11
Connection tone 93
Creating appointments 135

D

Date, set 84

Dialing display 89
Display
Backlight 21
Icons 20
DTMF tones, send 35

E

Entering text
Changing the text entry method 43
Numbers and special characters 48
Using Multi-tap input method 46
Using Speedy word input method 47

F

FDN (Fixed Dialing Number) mode 101
File manager 141
Functions and options 31

G

Games 149
Get More Help 158
Getting started
Activating your phone 9
Setting up voice mail 13

H

Health and safety information 177
HiFi Ringers 90, 141

I

Icons, description 20
In-call options
Accessing Menu mode 38
Muting/Unmuting key tones 34
Putting a call on hold 33
Sending a message 38
Speakerphone feature 38
Switching on/off microphone 32
Incoming calls 29
Instant messaging 79
International call 23
Internet 171

K

Key tones
Selecting a tone 91
Switching on/off 91

L

Low battery indicator 12

M

Making a call
International call 23
Last number 24
Phonebook 25
MegaTones 90, 141
Menu Navigation
Accessing a menu function 39
Menu outline 41
Message tone 91
Messages
BlackBerry email 62
Broadcast message 78
Instant messaging 79
Picture message 65
PIN message 68
Text message 63

Voice mail 78
Voice note message 67
Missed calls 28
Multi-party call
Private conversation 36
Setting up 35
Multi-tap method 46
Mute, microphone 32
My Album 143, 169
My Journal 144, 169
My name card 59
My photos
Deleting photos 167
Using options 166
Viewing photos 166
My videos
Deleting videos 169
Using options 168
Viewing videos 168

N

Network selection 96
Network services
Call barring 94
Call forwarding 93
Call waiting 95
Caller ID 97
Network selection 96

O

Outgoing calls 29
Own number 59

P

Phone
Icons 20
Switching on/off 13
Phone settings 85
Phonebook
Caller group 56
Copying 57
Deleting 58
Finding a contact 52
Storing a contact 49
Picture messages 65
PIN
Changing a PIN 100
PIN check 100

R

Received messages 70
Reset settings 104
Ring volume 90

S

Security settings 100
Sent messages 70
Settings 83
Bluetooth 98
Display 87
Network services 93
Phone 85
Reset 104
Security 100
Sound 90
Time & Date 84
Voice recognition 102
Shortcuts 40
Silent mode 30, 92
SIM card, installing 9
Soft keys 31
Speakerphone 38
Speed dial
Dialing speed dial numbers 55

Setting up entries 55
Standard limited warranty 203
Stopwatch 157
Storing a number
Phone's memory 50
SIM card 51
Switching on/off
Key tones 34
Microphone 32
Phone 13
Speaker 38

T

Templates 75
Text entry
Multi-tap input method 44
Speedy word input method 43
Text input method, change 43
Text messages 63
Time, set 84
Timer 156
Travel adapter 11
t-zones 171

U

Understanding your phone
Features of your phone 15
View of your phone 16
Understanding your phonebook
Checking memory status 60
Finding a contact 52
Storing a contact 50, 51
Unit conversion 155
Utilities
Converter 155
Stopwatch 157
Timer 156
World time 154

V

Voice mail
Accessing the server 14
Changing the server number 14
Voice note message 67
Voice notes
Recording a voice note 132
Sending a voice note 133
Voice recognition 150
VoiceSignal
Checking phone status 154
Digit dial 150
Features 150
Name dial 151
Name lookup 152
Open applications 153
Send text messages 152
Settings 102

W

Warranty information 203